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Smarter security solutions from Sony

Network Video Monitoring & CCTV Product Guide 2005

SONY



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Create a safer, more secure environment

Today more than ever, Closed Circuit Television (CCTV) is playing a vital role in the safeguarding of people, property and other assets.

With increasing public awareness of the threats of terrorism, assault, vandalism and theft, the security of every citizen is a higher priority than ever for public authorities as well as commercial organisations. From banks, offices, hospitals and schools to shopping malls, airports, stations and other public areas, a discreet monitoring presence offers the valuable round-the-clock reassurance of a safer, more secure environment.

As a leader in CCTV and network video monitoring, Sony offers a complete range of products that make it easier than ever to create exactly the right solution to meet your current and future needs.

From latest-generation network video cameras, file servers and RealShot camera management software to digital video recorders, monitors, printers and accessories, you'll find that every Sony CCTV product has been designed with performance, reliability and ease of integration in mind.

Whether you're looking to expand your existing CCTV installation or create an all-new network-based monitoring solution with powerful image distribution and control capabilities, Sony products can enhance the value of your current investments while delivering flexible new monitoring possibilities. Best of all, every CCTV product comes with the back-up and peace of mind that you'd expect from Sony.

Visit us at www.sonybiz.net for more information on our complete range of CCTV and video surveillance products as well as case studies, white papers, special offers and more. Alternatively, talk to your local Sony office or security systems specialist. They'll be delighted to tell you more about the capabilities of Sony CCTV products and help you create a video monitoring solution that's flexible, reliable and remarkably cost-effective.

Network Video Monitoring

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SNC-RZ30P

Network Video Pan-Tilt-Zoom Camera

- IP network colour video camera with integrated Direct Drive pan/tilt/zoom mechanism and autofocus lens with 25x optical zoom
- High quality full motion colour video up to 25 fps at VGA resolution (640 x 480) thanks to M-JPEG picture compression
- PC card slot for onboard event storage or optional Wireless LAN
- Embedded web server and web page for simple set-up and control
- Day/night function switches to black & white mode in low light conditions for greater sensitivity
- Activity detection and automatic picture store/send for unattended operation





SNC-CS3P

Network Video Camera

- IP network colour video camera with auto iris vari-focal lens (focal length: 3.5 to 8.0 mm)
- 1/3 type CCD sensor with ExwaveHAD™ technology offers extremely high sensitivity of 0.5 lux at F1 0
- Full motion video up to 25 fps at VGA resolution (640 x 480) thanks to M-JPEG picture compression
- Embedded IP server and web page for simple set-up and control
- Embedded activity detection and alarm trigger functions
- PAL composite video output for local analogue viewing or recording





SNC-Z20P

Network Video Camera

- IP network colour video camera with integrated 18x optical zoom lens for excellent resolution of fine detail
- 1/4 type CCD sensor with ExwaveHAD™ technology offers extremely high sensitivity: 0.7 lux in colour mode, 0.01 lx (F1.4, 50 IRE, Slow Shutter OFF) in B/W mode
- Power-over-Ethernet allows power to be supplied via the Ethernet CAT5 cable
- Added functionality via on-board PC card slot for onboard event storage or optional Wireless LAN for greater installation flexibility
- Day/night function switches to black & white mode in low light conditions for greater sensitivity
- PAL composite video output for local analogue viewing or recording



SNC-RZ25P

JPEG/MPEG-4 Network Video Pan-Tilt-Zoom Camera

- Precise, high-speed pan/tilt/zoom mechanism with integral 18x auto-focus zoom lens
- High quality and high sensitivity (0.7 lux, F1.4) with ExwaveHAD™ technology
- Day/Night function
- Added functionality provided through Compact Flash slot and Memory Stick slot for image storage or Wireless LAN (IEEE802.11b) through optional Sony wireless LAN card (SNCA-CFW1) for greater installation flexibility
- Half duplex audio through built-in or external microphone input and audio line out
- Unattended operation thanks to built-in motion detection



SNC-DF70P

Day/Night Network Mini-Fixed Dome Camera

- JPEG/MPEG-4 network colour video camera integrated in IP66 compliant rugged aluminium cast housing and polycarbonate cover for protection against rain and vandalism
- Power-over-Ethernet allows power to be supplied via an Ethernet CAT5 cable
- Removable infrared filter delivers clear Black & White pictures at night or under IR illumination
- Multicasting capability supported and Adaptive Rate Control for stable image transmission
- Half duplex audio through built-in or external microphone input and audio line out
- Built-in motion vector activity detection permits unattended operation
- Analogue composite video output



SNC-P5

Network MPEG-4 Video Pan-Tilt Camera

- All-in-one JPEG/MPEG-4 network colour video camera with integrated Pan-Tilt control capability (Pan: -70 to +70 degrees / Tilt: -70 to 0 degrees and 3x optical zoom)
- Wireless transmission through optional Sony wireless LAN card (SNCA-CFW1)
- High quality image transmission even over limited bandwidth network connection (e.g. only 500 kbps needed for 25 images per second)
- 1/4 type, 330K pixels progressive scan CCD for superb picture detail
- Two-way audio communication enhances appeal for remote monitoring applications
- Smart motion detection permits unattended operation
- External sensor input, alarm output and E-mail alarm notification function





SNC-DF40P

Network Mini-Fixed Dome Camera

- JPEG/MPEG-4 network colour video camera with integral dome enclosure
- Built-in CS Mount auto iris vari-focal lens (f=3 to 8 mm from F1.0) for optimised coverage of any viewing area
- Multicasting capability supported and Adaptive Rate Control for stable image transmission
- Half duplex audio through built-in or external microphone input and audio line out
- Built-in motion vector activity detection permits unattended operation
- PAL composite video output for local analogue viewing or recording





SNC-P1

MPEG-4 Network Video Camera

- All-in-one JPEG/MPEG-4 network colour video camera with embedded IP server and web page for simple set-up and control
- High quality image transmission even over limited bandwidth network connection (e.g. only 500 kbps needed for 25 images per second)
- 1/4 type, 330K pixels progressive scan CCD for superb picture detail
- Two-way audio communication enhances appeal for remote monitoring applications
- Smart motion detection enables unattended operation
- External sensor input, alarm output and E-mail alarm notification function



SNC-M1/M1W

MPFG-4 Video Network Camera

- All-in-one JPEG/MPEG-4 network colour video camera with embedded IP server and web page for simple set-up and control
- Wireless LAN connection for easy installation (SNC-M1W only)
- Incorporates 1/4 type, 310k pixels (VGA) CMOS sensor
- Two-way audio transmission (built-in microphone, external microphone input and audio line output for active speakers)
- Sends email to specified address on alarm trigger
- Simple to install





SNT-V501/V504

Video Network Station

- Converts four analogue video signals to M-JPEG digital format for IP transmission (single channel for SNT-V501)
- Simple integration of analogue video cameras into IP networks
- Onboard picture storage reduces network bandwidth overheads
- Supports wireless transmission (optional) for areas where cabled network coverage is difficult or non-existent
- Built-in activity detection enables unattended operation
- Can be used as a standalone event recorder
- High refresh rates provide full motion video (25 fps) at VGA resolution





SNT-V501



SNT-V504

SNC-M3/M3W

MPEG-4 Video Network Pan-Tilt Camera

- All-in-one JPEG/MPEG-4 network colour video camera with integrated Pan-Tilt control capability (Pan: -60 to +60 degrees / Tilt: +10 to -60 degrees)
- Wireless LAN connection for easy installation (SNC-M3W only)
- Incorporates 1/4 type, 310k pixels (VGA) CMOS sensor
- Two-way audio transmission (built-in microphone, external microphone input and audio line output for active speakers)
- Sends email to specified address on alarm trigger
- Simple to install





FSV-IPM1

Network Video Recorder

- Scalable application server with 500 GB storage capacity- ideal for networked video recording
- Dual Ethernet ports (100/1000 Mbit/s)
- Allows onward distribution of video recordings using built-in DVD burner (DVD-ROM/-R/-RW/RAM CD-ROM/-R/-RW)
- Compact size, ultra-slim 1U rack
- Intel Pentium 4 Processor, 2.4 GHz CPU with 512 MB RAM
- WindowsXP[™] Professional operating system pre-installed



FSV-RSM9/FSV-RSM16

9-channel/16-channel Network Video Recorder

- Scalable, 'all-in-one' network video recording server with RealShot™ Manager pre-installed which manages/records up to 9 (FSV-RSM9) or 16 (FSV-RSM16) networked video sources
- Ideal for server-client architecture, allowing remote access to live and recorded pictures via network
- Unattended recording over long periods thanks to 500 GB storage capacity: e.g. 10 days recording for 9 cameras at 6 fps, 24hrs/day at CIF resolution
- Dual Ethernet ports (100/1000 Mbit/s)
- Compact size, ultra-slim 1U rack mount
- Allows onward distribution of video recordings using built-in DVD burner (DVD-ROM/+R/-RW /RAM CD-ROM/ +R/-RW)



RSM-AIC

Stand-Alone Audio Network System

- Networked intercom system
- Ideal for monitoring building entrances or doorways by providing combined intercom and alarm functionality
- Integrates seamlessly with Realshot™ Manager for audio recording and monitoring
- 2 Inputs for control of other building functions (e.g. 'Talk' and 'Door' buttons)
- Audio input via on-board microphone or Line input
- Audio out through Headphone/Line Out



FSVM51000W

Network Application Server

- Ideal application server for hard drive space demanding applications such as video surveillance systems
- Ultra-slim 1U rack mount
- 1000 GB (4 x 250 GB) Hotswappable hard drives
- Hardware RAID, user area RAID 0, 1 and 5. OS area RAID 0+1
- Intel Pentium 4 Processor, 2.4 GHz CPU with 512 MB RAM
- 24x CD-ROM drive
- Dual 10 BaseT/100 BaseTX/1000 BaseT Ethernet ports for uninterrupted performance in the event of one port failing
- Embedded SCSI interface for backup devices





IMZ-RS Series

RealShot Manager Monitoring and Control Software

- Management software to control, monitor and manage networked video installations on single or multiple sites
- Tailor made on-screen layouts offer intuitive, interactive representation of entire surveillance/monitoring system
- Full Server/Client support optional Client software allows monitoring of unlimited number of sites and cameras while RSM web client allows monitoring from any PC on the network
- Extremely flexible video recording functionality, recording up to 350 fps
- Advanced search GUI makes it quick and easy to retrieve recordings
- I/O functionality to manage alarms, doors and other switch operated devices
- One year PrimeSupport telephone helpline

Video Cameras Video Cameras

SSC-DC50AP/SSC-DC54AP/SSC-DC58AP

CCD Colour Video Camera

- 1/2 type IT CCD with ExwaveHAD technology offers extremely high sensitivity (0.8 lux at F1.2, 50 IRE) and low smear level (-120 dB)
- 470 lines of horizontal resolution
- Smart Control for fast backlight compensation
- ATW PRO/ATW/AWB/preset colour temperature settings - ATW PRO mode ensures reliable white balance control based on the absolute colour temperature of the object (The effective operational colour range is 2500 K to 6000 K)
- SSC-DC50AP supports single cable operation (video/sync/power triple multiplex transmission) for easy installation with the optional YS-W170P/W270P camera adaptor









SSC-DC50AP SSC-DC54AP SSC-DC58AP

SSC-DC593P/SSC-DC598P

Day/Night Video Camera

- 1/3 type IT CCD offering 480 lines of horizontal resolution
- Wide dynamic range with DynaView technology - ideal for obtaining clear colour images under severe lighting conditions
- Day/Night mode increases camera sensitivity allowing images to be viewed even in low light conditions
- White balance: ATW PRO/ATW/ 3200K/5600K/MANUAL/DUAL WB switchable - Dual white balance mode gives high quality colour reproduction of indoor and outdoor scenes under different colour temperatures
- Built-in activity detection and alarm trigger functions
- On-screen set up menu supports Privacy Zone Masking function and two preset memories for camera settina







SSC-DC598P

YS-W170P/YS-W270P

Camera Adaptor

- Used with SSC-DC50AP
- Transmits DC power and video/sync signal between the adaptor and camera over a single coaxial cable
- Up to four cameras can be connected (one camera for YS-W170P)
- Internal or external synchronisation with MPX-VS or MPX-VD
- Maximum cable length: 600 m with RG-11A/U (7C-2V) coaxial cable







SSC-DC578P

SSC-DC573P/

Dynaview Colour Video Camera

- Extremely wide dynamic range with DynaView™ technology for clear images even with strong backlight
- 1/3 type CCD offering 480 TV lines and high sensitivity of 0.8 lux
- CCD IRIS function removes need for expensive automatic lens
- Auto Tracing White (ATW) function ensures consistent colour balance
- Turbo AGC function boost gain to 24dB for better resolution of subject
- In-built activity detection/alarm
- Privacy zone masking
- Gamma correction for precise image settina





YS-W170P





Video Cameras Video Cameras

SSC-E473P/SSC-E478P

High Resolution Day/Night Camera

- Day/Night camera providing optimised sensitivity in both day and night shooting scenarios with near-infrared sensitivity in night-mode
- State-of-the-Art SuperExwave[™] CCD technology achieving extremely high sensitivity levels minimum illumination of 0.55 lux at F1.2 in colour mode and 0.05 lux at F1.2 in B/W mode.
- Newly-developed innovative DSP technology generating a horizontal resolution of 540 TV lines
- New slim and stylish design
- External Day/Night control input and Day/Night control output terminal
- Wide Auto Tracing White Range ATW Pro & ATW





SSC-E473P



SSC-E478P

SSC-DC372P/SSC-DC378P

High Resolution Colour Camera

- 1/3 type IT CCD with SuperHAD technology offering 480 lines of horizontal resolution
- High sensitivity 0.8 lux at F1.2 (50 IRE)
- Backlight compensation (ON/OFF switchable)
- Wide range CCD IRIS (ON/OFF switchable, 1/50 to 1/100,000)
- CCD IRIS function allows for the use of low cost manual iris lenses
- Auto Tracing White Balance (ATW) and Turbo AGC (ON/OFF switchable)





SSC-DC372P



SSC-DC378P

SSC-E453P/ SSC-E458P

High Resolution Colour Camera

- State-of-the-Art SuperExwave™ CCD technology achieving extremely high sensitivity levels providing a minimum illumination of 0.55 lux at F1.2
- Newly-developed innovative DSP technology generating a horizontal resolution of 540 TV lines
- New slim and stylish design
- Wide Auto Tracing White Range ATW Pro & ATW
- Backlight compensation and Turbo AGC: ON/OFF switchable
- Wide range CCD IRIS (ON/OFF switchable, 1/50 to 1/100,000s)





SSC-DC198P

Standard Resolution Colour Camera

- 1/3 type IT SuperHAD CCD offering 330 lines of horizontal resolution
- High sensitivity 0.6 lux at F1.2 (50 IRE)
- Backlight compensation and ATW supported
- BLC and Turbo AGC (ON/OFF switchable)
- Wide range CCD IRIS (ON/OFF switchable, 1/50 to 1/100,000s)
- AC 220-240 V power operation



SSC-E453P



Video Cameras Video Cameras

SSC-DC172P

Standard Resolution Colour Camera

- Low cost standard resolution colour camera - 330 lines of horizontal resolution
- High sensitivity 0.6 lux at F1.2 (50 IRE)
- Backlight compensation and ATW supported
- BLC and Turbo AGC: ON/OFF switchable
- Wide range CCD IRIS (ON/OFF switchable, 1/50 to 1/100,000s)
- DC 12V power operation





SSC-M183CE/SSC-M188CE

Black and White Camera

- 1/3 type IT SuperHAD CCD technology providing 380 lines of horizontal resolution
- High sensitivity 0.06 lux at F1.2 (50 IRE)
- Backlight compensation (ON/OFF switchable)
- Turbo AGC (up to 24 dB): ON/OFF switchable
- Wide range CCD IRIS (ON/OFF switchable, 1/50 to 1/100,000)
- CCD IRIS function allows for the use of low cost manual iris lenses







SSC-M183CE

SSC-M188CE

SSC-M383CE/ SSC-M388CE

Black and White Camera

- 1/3 type IT CCD with ExwaveHAD technology providing extremely high sensitivity 0.07 lux at F1.2 (50 IRE)
- 570 lines of horizontal resolution
- Backlight compensation (ON/OFF switchable)
- Turbo AGC (up to 24 dB): ON/OFF switchable
- Wide range CCD IRIS (ON/OFF switchable, 1/50 to 1/100,000)
- CCD IRIS function allows for the use of low cost manual iris lenses



SSC-CD73VP

Day/Night Mini Fixed Dome Camera

- Rugged aluminum cast housing and polycarbonate cover
- 1/4 type IT SuperHAD CCD offering 480 lines of horizontal resolution
- Built-in CS Mount auto iris vari-focal lens (f=3 to 8 mm from F1.0)
- Day/Night function through removable IR filter to switch from colour to black and white mode with IR corrective lens for clear pictures under IR illumination
- High sensitivity of 0.9 lux (F1.0, 50 IRE, AGC ON) in colour and 0.2 lux (F1.0, 50 IRE, AGC ON) in B&W
- Rain-proof (IP66 compliant)







SSC-M383CE

SSC-M388CE

SSC-CD43VP

Colour Mini Fixed Dome Camera

- 1/4 type IT SuperHAD CCD offering 480 lines of horizontal resolution
- Built-in CS Mount auto iris vari-focal lens (f=3 to 8 mm from F1.0)
- High sensitivity of 0.9 lux (F1.0, 50 IRE, AGC ON)
- Turbo AGC (6 dB more gain than conventional gain): TURBO/ NORMAL/OFF switchable
- Backlight compensation (ON/OFF switchable)
- ATW (2,200 to 10,000K)



Video Cameras Video Recorders

EVI-D100P

Pan-Tilt-Zoom Colour Video Camera

- Easy set-up: no video or lens adjustment
- Pan, tilt & zoom functionality
- Quiet operation
- 40x zoom ratio
- Six position presets with battery back-up
- Auto sleep function





HSR-X206P

6-channel Digital Surveillance Recorder

- Built-in 6 channel multiplexer function providing full frame rate monitoring per camera in multi-screen display
- High picture quality M-JPEG compression with large 320 GB storage capacity
- Built-in network interface
- Embedded Activity Detection
- Five advanced search methods
- Image downloading via CompactFlash slot







EVI-D70P



EVI-D70PW

EVI-D70P/ EVI-D70PW

Pan-Tilt-Zoom Colour/ Monochrome Video Camera

- 1/4 type IT Exview HAD CCD offering 460 lines of horizontal resolution
- High zoom ratio AF lens (18x optical + 12x digital zoom)
- Excellent low-light sensitivity (min. illumination less than 1 lux)
- Wide range pan/tilt (340° pan / 120° tilt)
- Desktop or ceiling mount installation using E-Flip function
- Full remote control support via RS-232C or RS-422
- Auto day/night function





HSR-X209P





HSR-X216P

HSR-X209P/X216P

Multi-channel Digital Surveillance Recorder

- Hard disk recorder with built-in multiplexing capability – up to 16 camera inputs (9 with HSR-X209P) can be recorded and monitored independently
- High resolution (more than 500 TV Lines) & high picture quality recording and playback
- Large-capacity 320 GB (2 x 160 GB) HDDs (ATA/ATAPI-5 Standard)
- High refresh rate of 50 fields per second
- Network capability through optional network card
- Intelligent search functions

SVT-N24

Time-Lapse Video Recorder

- 3, 12, 24 hour recording/playback modes (E-180)
- Compact size only 240 mm (91/2 inches) wide
- Adaptive Picture Control (APC)
- Audio recording in 3, 12 or 24 hour
- Record check, alarm log, alarm scan capabilities





SVT-RA96P

Time-Lapse Video Recorder

- Sony 'RealAction' technology allows high density recording of 16.6 fields per second in 24-hour mode
- Maximum 96-hour time lapse recording mode is available with a 180-minute tape
- Adaptive Picture Control (APC)
- Audio recording in 6, 18, 30-hour modes (E-180) and in 8, 24, 40-hour modes (E-240)
- Multiple recording modes such as Auto Repeat Recording, Timer Recording, Alarm Recording and Series Recording
- Record check, alarm log and alarm scan capabilities





SVT-N72P

Time-Lapse Video Recorder

- 4 different time lapse recording/playback modes
- Adaptive Picture Control (APC)
- Fast forward and rewind: 100 seconds with an entire E-180 tape
- Multiple recording modes such as Auto Repeat Recording, Timer Recording, Alarm Recording and Series Recording
- Record check, alarm log and alarm scan capabilities
- Optional RS-232C/RS-485 interface



HSR-DCT

Video and Telemetry Virtual **Control Panel**

- Graphic, back-lit, 320 x 240 pixel touch panel display
- Allows customisation of up to 30 site
- Three-axel joystick allows simple manual Pan-Tilt-Zoom control
- Two independent RS-485 telemetry control ports to interface with the most common high speed domes
- Manufactured by Videotec S.R.L.
- For use with:
 - HSR-X209P
 - HSR-X216P
 - YS-DX516P



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Video Monitors Printers

SSM-20L1

Colour Video Monitor

- 20-inch colour video monitor (viewable area, measured diagonally)
- Trinitron CRT provides a high resolution of 600 TV lines
- Beam current feedback circuit for stable colour reproduction
- Two selectable composite and Y/C inputs
- Colour temperatures can be selected from high, low or users' preset data (adjustable between 5,000K and 10,000K)
- Parallel remote control capability





SSM-14L1

Colour Video Monitor

- 14-inch colour video monitor (viewable area, measured diagonally)
- Trinitron CRT provides a high resolution of 600 TV lines
- Beam current feedback circuit for stable colour reproduction
- Two selectable composite and Y/C inputs
- Colour temperatures can be selected from high, low or users' preset data (adjustable between 5,000K and 10.000K)
- Parallel remote control capability



Colour Video Printer

- A5 size print in approx. 22 seconds
- 2048 dots thermal head and high resolution of 300 dpi
- 8 bit (256 gradations) for each colour
- RGB, Y/C, and composite video inputs
- Wired and wireless remote controls with the optional RM-5500 remote control
- External control via RS-232C interface









UP-21MD

Colour Video Printer

- Resolution of 403 dpi for high picture quality
- Photo-quality prints with Sony dye sublimation printing technology
- A6 size colour print in approx. 17 seconds
- Compact design
- 2 or 4 split prints mode (four frame memories capability)
- Accepts and outputs an analogue RGB, S-Video (Y/C) or composite video signal

UP-D23MD

Digital Colour Printer

- Resolution of 403 dpi for high picture quality
- Photo-quality prints with Sony dye sublimation printing technology
- A6 size colour print in approximately 19 seconds
- Compact design
- USB interface (Version 2.0)
- Resize-to-fit feature allows users to enlarge images of VGA (640 x 480 dots), SVGA (800 x 600 dots) and XGA (1024 x 768 dots) to approximately 1,520 x 1,144 dots size image* or approximately 2,000 x 1,520 dots size image*



** When using the UPC-21L print media





UP-D895

Digital Black & White Printer

- USB (version 1.0) and Parallel (IEEE1284) interfaces
- Resize-to-fit feature to enlarge images for printing
- Resolution of 325 dpi and 256 steps of grey level for high picture quality
- High-speed printing of approximately 3.8 seconds
- Multiple print modes available for a variety of applications
- Compact, space-saving design









UP-960CE

Black & White Video Graphic Printer

- Thermal video graphic printer with 256 steps of gray level
- Large print size EIA standard (NTSC): 184 x 243 mm at side direction print mode, 190 x 144 mm at normal direction print mode; CCIR standard (PAL): 181 x 243 mm at side direction print mode, 190 x 142 mm at normal direction print mode
- High-speed printing of 12 seconds
- Multiple print modes; Standard, Side and 2-split (different images) print modes

Network Video Cameras

| | SNC-RZ30P | SNC-Z20P |
|--|---|---|
| | 5140-112001 | 5140-2251 |
| GENERAL | 1.2 kg (2 lb. 10 cz.) | Approx 200 g /2 lb 10 cz) |
| Mass Dimensions (W x H x D) | 1.2 kg (2 lb. 10 oz.) 140 x 175 x 144 mm (5 56" x 7" x 5 34") | Approx. 800 g (2 lb. 10 oz.) |
| Power requirements | 140 x 175 x 144 mm (5 %" x 7" x 5 ¾") DC 12 V via AC adaptor (100 to 240 V) | 80 x 77 x 177 mm (5 1/8" x 3" x 7") DC 24 V AC 50/60 Hz, 12 V DC, PoE |
| Power consumption | 21.6 W | 9 W max. |
| Operating temperature | 0 °C to +40 °C (32 °F to 104 °F) -20 °C to +60 °C (-4 °F to 140 °F) | 0 °C to +40 °C (32 °F to 104 °F) -20 °C to +60 °C (-4 °F to 140 °F) |
| Storage temperature | -20 °C to +60 °C (-4 °F to 140 °F) | -20 °C to +60 °C (-4 °F to 140 °F) |
| Operating humidity | 20% to 80% Non-condensing 20% to 95% Non-condensing | 20% to 80% Non-condensing 20% to 95%, Non-condensing |
| Storage humidity | 20% to 95% Non-condensing | 20% to 95%, Non-condensing |
| IMAGE DATA | M IDEO | M IDEO |
| Compression ratio | M-JPEG 1/5 ~ 1/60 (10 steps) | M-JPEG 1/5 ~ 1/60 (10 steps) |
| Image Resolution | 736 x 544 (Auto), 736 x 544 (Frame), | 736 x 544 (Auto), 736 x 544 (Frame), |
| mago nocolation | 736 x 544 (Field). | 736 x 544 (Field). |
| | 640 x 480 (Auto), 640 x 480 (Frame), 640 x 480 (Field), 320 x 240, 160 x 120 | 640 x 480 (Auto), 640 x 480 (Frame), 640 x 480 (Field), 320 x 240, 160 x 120 |
| | 640 x 480 (Field), 320 x 240, 160 x 120 | 640 x 480 (Field), 320 x 240, 160 x 120 |
| Frame rate | Max. 25 fps (640 x 480) | Max. 25 fps (640 x 480) |
| CAMERA | | |
| Imager | 1/6 type Interline Transfer SuperHAD CCD | 1/4 type ExwaveHAD CCD |
| Pixels | 800,000 | 440,000 |
| Electronic shutter | 1 /3 to 1/10,000 sec | Auto/Manual (1 to 1/10,000 sec) |
| Exposure | Auto [Full Auto (including backlight compensation), Shutter-priority, | Auto, Shutter-priority, Iris-priority, Manual (Backlight compensation is |
| | lris-priority] and manual | switchable except in Manual mode) |
| White balance | Auto, ATW, Indoor, Outdoor, | Auto, Indoor, Outdoor, One Push |
| | One-push (trigger command), Manual | White Balance, ATW, Manual |
| EV Compensation | -1./5 to +1./5 (15 steps) | _ |
| Iris | Auto/Manual (F1.6 to close) | Auto/Manual (F1.4 to Close) |
| Gain | Auto/Manual (-3 dB to 28 dB) | Auto/Manual (-3 dB to 28 dB) |
| Focus mode | Auto/Manual (Near, Far, One-push Auto Focus) | Auto/Manual (Near, Far, One Push Auto Focus) |
| LENS | | |
| Zoom Ratio | 25 x optical zoom, 300 x with digital zoom | x 18 (infinite) |
| Horizontal viewing angle | 2.0° to 45° f = 2.4 mm to 60 mm | 2.7° to 48° |
| Focal length F-number | F1.6 (Wide), F2.7 (Tele) | f = 4.1 mm to 73.8 mm F1.4 (Wide), F3.0 (Tele) |
| Minimum object distance | Tele: 800 mm, Wide: 30 mm | Tele: 800 mm, Wide: 10 mm |
| William Object distance | icic. coo iiiii, wide. co iiiii | (factory preset is 290 mm) |
| PAN/TILT | | |
| Pan angle | -170° to +170° | _ |
| Pan speed | 2 sec./340° | _ |
| Tilt angle | -25° to +90° | _ |
| Tilt speed | 1.5 sec./115° | _ |
| INTERFACES | | |
| Ethernet | 10 Base-T / 100 Base-Tx (RJ-45) | 10 Base-T/100 Base-TX (RJ-45) |
| PCMCIA | Type II x 2 | Type II x1 |
| Sensor and I/O | Sensor input x 3, Sensor output x 2 | Sensor input: make contact (photo coupler |
| | | input electrically isolated from the camera) |
| | | Alarm output 1 and 2: 24 V DC or less, 1 A (mechanical relay outputs |
| | | electrically isolated from the camera) |
| Video Output | Analogue composite (BNC x 1) | VIDEO OUT: BNC, 1.0 Vp-p, 75 Ω |
| ridos odipar | ratalogue composite (Bite x 1) | unbalanced, sync negative |
| Serial I/F | RS-232C/RS-485 transparent port | RS-232C transparent port |
| ANALOGUE VIDEO OUTPUT | | |
| Signal system | PAL | PAL |
| Sync system | Internal | Internal |
| Horizontal resolution | 480 TV lines | 460 TV lines |
| S/N ratio | Better than 48 dB | 50 dB |
| Minimum illumination | Colour: 3 lux at F1.6 (50 IRE), | Colour: 0.7 lux or less |
| | B&W: 0.18 lux at F1.6 (50 IRE) | (AE mode, slow shutter off) B&W: 0.01 lux |
| | | (F1.4, 50IRE, Slow shutter OFF) |
| | | (F1.4, JOINE, Slow Stidtler OFF) |
| SYSTEM/NETWORK | 20 hit DICO Eh-dd-d | 00 bit BICC |
| CPU Embadded fleeb memery | 32 bit RISC Embedded processor | 32-bit RISC processor |
| Embedded flash memory RAM | 32 MB (includes 8 MB alarm buffer) 32 MB (includes 8 MB alarm buffer) | 8 MB 32 MB (incl. built-in image |
| ION | 32 MD (Includes o MD alam buller) | memory of about 8 MB) |
| Browser | MS Internet Explorer v 5.5 and 6.0 | MS Internet Explorer v 5.5 and 6.0 |
| | (Windows98/ME/NT4.0/2000) | (Windows98/98SE/ME/NT4.0/2000/XP) |
| | ,, | Pocket PC Internet Explorer. |
| | | (Pocket PC 2002) |
| Security | IP-filtering, Password protection | IP-filtering, Password protection |
| Protocols supported | TCP/IP, HTTP, ARP, ICMP, DHCP, | TCP/IP, HTTP, ARP, ICMP, DHCP, |
| Cumplied conser | FTP, SMTP and SNMP (Standard MIB) | FTP, DNC, NTPand SNMP (MIB-2) |
| Supplied accessories | Ceiling mount kit, AC power adaptor, AC power cable, CD-Rom (Set up | CD-ROM (setup program and |
| | AC power cable, CD-Rom (Set up programme and User'sguide), I/O receptacle, | User guide), Wire rope, Shoulder screw M4, Installation Manual |
| | Installation manual, Ferrite core | ociow ivi4, iliotaliauUli Waliual |
| Optional accessories | MSA-64A Memory Stick (64 MB) | Memory Stick MSA-128 A (128 MB) |
| ·, · · · · · · · · · · · · · · · · · · | MSAC-PC2 Memory Stick/PC Card Adaptor | Memory Stick PC card adaptor MSAC-PC3 |
| | \$ 11.5 to 1.5 to | Wide conversation lens VCL-0637H |
| | | |

Network Video Cameras

| | SNC-CS3P |
|---|---|
| GENERAL | |
| Mass | Approx. 650 g (1 lb. 7 oz.) |
| Dimensions (W x H x D) | 57 x 70 x 159 mm (2 ¼" x 2 ¾" x 6 ¼") |
| Power requirements | AC 24 V / DC 12 V |
| Power consumption | 7 W max. |
| Operating temperature Storage temperature | -10 °C to +50 °C (14 °F to 122 °F) -40 °C to +60 °C (-40 °F to 140 °F) |
| Operating humidity | 20% to 80%, Non-condensing |
| Storage humidity | 20% to 95%, Non-condensing |
| IMAGE DATA | |
| Compression | M-JPEG |
| Compression ratio | 1/5 ~ 1/60 (10 steps) |
| Image Resolution | 736 x 544 (Auto), 736 x 544 (Frame), 736 x 544 (Field), 640 x 480 (Auto), 640 x 480 (Frame), |
| | 640 x 480 (Field), 320 x 240, 160 x 120 |
| Frame rate | Max. 25 fps (640 x 480) |
| CAMERA | |
| Imager | 1/3 type ExwaveHAD CCD |
| Pixels | 440,000 (752 x 582) |
| Electronic shutter Exposure | 1/50 to 1/100,000 sec BLC |
| White balance | ATW |
| EV Compensation | - |
| Iris | Auto |
| Gain | AGC |
| Focus mode | - |
| LENS | |
| Zoom Ratio | - |
| Horizontal viewing angle | W 73.9° x 56.3° T 33.8° x 25.8° |
| Focal length | Vari-focal (focal length: 3.5 to 8.0 mm) |
| F-number | F1.0 |
| Minimum object distance | 500 mm |
| PAN/TILT | |
| Pan angle | <u>-</u> |
| Pan speed Tilt angle | <u>-</u> |
| Tilt speed | |
| INTERFACES | |
| Ethernet | 10 Base-T/100 Base-TX (RJ-45) |
| PCMCIA | = |
| Sensor and I/0 | Sensor input: make contact (photo coupler input electrically isolated from the camera) Alarm output 1 and 2: 24 V DC or less, |
| | 1 A (mechanical relay outputs electrically isolated from the camera) |
| Video Output | VIDEO OUT: BNC, 1.0 Vp-p, 75 Ω unbalanced, |
| | sync negative |
| Serial I/F | RS-232C transparent port |
| ANALOGUE VIDEO OUTPUT | |
| | |
| Signal system | PAL |
| Signal system Sync system | Internal |
| Signal system Sync system Horizontal resolution | Internal 480 TV lines |
| Signal system Sync system Horizontal resolution S/N ratio | Internal 480 TV lines More than 50 dB |
| Signal system Sync system Horizontal resolution S/N ratio Minimum illumination | Internal 480 TV lines |
| Signal system Sync system Horizontal resolution SYN ratio Minimum illumination SYSTEM/NETWORK | Internal 480 TV lines More than 50 dB 0.5 lux at F1.0 |
| Signal system Sync system Horizontal resolution Syn ratio Minimum illumination SYSTEM/NETWORK CPU | Internal 480 TV lines More than 50 dB |
| Signal system Sync system Horizontal resolution SYN ratio Minimum illumination SYSTEM/NETWORK | Internal 480 TV lines 480 TV lines 0.5 lux at F1.0 32-bit RISC processor 8 MB 32 MB (incl. the built-in image memory |
| Signal system Sync system Horizontal resolution S/N ratio Minimum illumination SYSTEM/NETWORK CPU Embedded flash memory RAM | Internal 480 TV lines More than 50 dB 0.5 lux at F1.0 32-bit RISC processor 8 MB 32 MB (incl. the built-in image memory of about 8 MB) |
| Signal system Sync system Horizontal resolution S/N ratio Minimum illumination SYSTEM/NETWORK CPU Embedded flash memory | Internal 480 TV lines 480 TV lines 0.5 lux at F1.0 32-bit RISC processor 8 MB 32 MB (incl. the built-in image memory |
| Signal system Sync system Horizontal resolution S/N ratio Minimum illumination SYSTEM/NETWORK CPU Embedded flash memory RAM Browser | Internal 480 TV lines More than 50 dB 0.5 lux at F1.0 32-bit RISC processor 3 MB 32 MB (incl. the built-in image memory of about 8 MB) MS Internet Explorer v 5.5 and 6.0 (Windows98/985E/ME/NT4.0/2000/XP) Pocket PC Internet Explorer (Pocket PC 2002) IP-filtering, Password protection |
| Signal system Sync system Horizontal resolution S/N ratio Minimum illumination SYSTEM/NETWORK CPU Embedded flash memory RAM Browser | Internal 480 TV lines More than 50 dB 0.5 lux at F1.0 32-bit RISC processor 8 MB 32 MB (incl. the built-in image memory of about 8 MB) MS Internet Explorer v 5.5 and 6.0 (Windows98/985E/ME/NT4.0/2000/XP) Pocket PC Internet Explorer (Pocket PC 2002) IP-filtering, Password protection TCP/IP, HTTP, ARP, ICMP, DHCP, FTP, DNC, |
| Signal system Sync system Horizontal resolution S/N ratio Minimum illumination SYSTEM/NETWORK CPU Embedded flash memory RAM Browser | Internal 480 TV lines More than 50 dB 0.5 lux at F1.0 32-bit RISC processor 3 MB 32 MB (incl. the built-in image memory of about 8 MB) MS Internet Explorer v 5.5 and 6.0 (Windows98/985E/ME/NT4.0/2000/XP) Pocket PC Internet Explorer (Pocket PC 2002) IP-filtering, Password protection TCP/IR HTTP, APP, ICMP, DHCP, FTP, DNC, NTP and SNMP (MIB-2) CD-ROM (setup program and User guide), |
| Signal system Sync system Horizontal resolution S/N ratio Minimum illumination SYSTEM/NETWORK CPU Embedded flash memory RAM Browser Security Protocols supported | Internal 480 TV lines More than 50 dB 0.5 lux at F1.0 32-bit RISC processor 8 MB 32 MB (incl. the built-in image memory of about 8 MB) MS internet Explorer v 5.5 and 6.0 (Windows98/985E/ME/NT4.0/2000/XP) Pocket PC Internet Explorer (Pocket PC 2002) IP-filtering, Password protection TCP/IP, HTTP, ARP, ICMP, DHCP, FTP, DNC, NTP and SMMP (MIB-2) |

Network Video Cameras

| | SNC-DF70P | SNC-DF40P |
|--|--|---|
| CAMERA | | |
| Image device | 1/4-type SuperHAD C | CD |
| Number of effective pixels | 752 x 582 (H x V) | |
| Electronic shutter | 1/50 to 1/10000 s | |
| Gain control | Aug: ON/OFF switchable (up | to 18 dB) |
| Exposure control White balance mode | Auto, Back-Light-Compensa ATW | ation(BLC) |
| Lens mount | CS mount | |
| Lens type | x2.7 Vari-focal auto iris | lens |
| Horizontal viewing angle | 66.6 to 26.9 degree | |
| Focal length | f=3.0 to 8.0 mm | |
| Fnumber | F=1.0 | |
| Iris | CCD iris | |
| Minimum object distance | 200 mm | |
| Other functions | Motion detection Day/Night function | Motion detection |
| IMAGE | C40 :: 400 400 :: 000 004 :: 000 000 | 10.050 100. 100 100 |
| Image size (H x V) Compression format | 640 x 480, 480 x 360, 384 x 288, 320 x 24 MPEG-4/JPEG selecta | |
| Maximum frame rate (MPEG-4 mode | | |
| (JPEG mode) | Max. 25 fps (320 x 24 | |
| AUDIO | | |
| Compression format | G.711 (64 Kbps) / G.726 (40, 32 | , 24, 16 Kbps) |
| NETWORK | | |
| Protocols | TCP/IP, UDP, RTP, RTCP, ARP, ICMP, DHCP, | DNS HTTP FTP SMTP |
| Number of clients | JPEG: 20 users, MPEG-4: | |
| INTERFACE | | |
| Ethernet | 100Base-TX/10Base-T (| R.I-45) |
| Analogue video output | Composite video (1.0 V | /p-p) |
| Monitor output | 2-Pin connector | F-17 |
| I/O port | Sensor in (1), Alarm ou | |
| External microphone input | Mini-jack, 2.4 VDC plug-in po | wer, 4.7 kΩ |
| Audio line output | Mini-jack (Monoaural), max outp | ut level: 1 Vrms |
| ANALOGUE VIDEO OUTPUT | | |
| Signal system | PAL (Composite) | |
| Horizontal resolution | 480 TV lines | |
| S/N ratio | 50 dB | |
| Minimum illumination (Colour) (Black and White) | 0.9 lx (AGC On, F1.0, 50IRE) 0.2 lx (AGC On, F1.0) | 0.8 lx (AGC On, F1.0, 50IRE) - |
| GENERAL | | |
| Mass Approx. | Approx. 1,500 g (3 lb 5 oz) | 750 g (1 lb 10 oz) |
| Dimensions (W x H x D) | 165 x 135 x 166 mm | 124 x 132 x 126 mm |
| | (6 1/2 x 5 3/8 x 6 5/8 inches) | (5 x 5 1/4 x 5 inches) |
| Device and device and | without projection ports | without projection ports |
| Power requirements Power consumption | AC24 V 50/60 Hz, DC12 8 W | 7.5 W |
| Operating temperature | -10 to +50 °C (14 to 12 | |
| Storage temperature | -20 to +60 °C (-4 to +1 | |
| Operating humidity | 20 to 80%, non-conde | nsina |
| Storage humidity | 20 to 95%, non-condensing | |
| SUPPLIED ACCESSORIES | | |
| OCH LIED MOCESSONIES | CD-ROM (setup program, users guide), Monitor cables (2), AC power code, Wire rope, Screws (2), Installation manual | CD-ROM (setup program, users guide), Monitor cables (2), AC power code, Wire rope, Screws (2), Dome cover screw, Installation manual |
| SYSTEM REQUIREMENTS | | |
| Operating system | Microsoft® Windows® 20 | |
| Processor | Intel® Pentium® III, 1 GHz | |
| Memory | (Recommendation: Pentium IV, 2GHz or higher) 256 MB RAM minimum | |
| Web browser | Microsoft Internet Explorer® vers | |
| MOD DIOMOGI | MICLOSOIT INTERNET EXPLOIES AGE | 0.0 or 0.0 |

Network Video Cameras

| | SNC-P1 |
|----------------------------|---|
| GENERAL | |
| Image device | 1/4-type progressive scan CCD |
| Number of effective pixels | 659 x 494 (H x V) |
| Electronic shutter | 1 to 1/10000 s |
| Slow shutter | 1, 1/2, 1/4, 1/8, 1/15, 1/30 s (On/Off selectable) |
| Exposure mode | Auto, Shutter priority, Manual |
| White balance | Auto, Indoor, Outdoor, One-push, Manual |
| Gain | 0, 6, 12, 18 dB |
| Minimum illumination | 3.0 lx |
| LENS | |
| Type | Fixed focal lens |
| Focal length | f=3.8 mm |
| Viewing angle | Horizontal: 53.4°, Vertical: 40.0° |
| F-number | F2.0 |
| Minimum object distance | 50 cm |
| SYSTEM/NETWORK | |
| Compression format | MPEG-4/JPEG selectable |
| Image size (H x V) | |
| MPEG-4 mode | 640 x 480, 480 x 360, 384 x 288, |
| == | 320 x 240, 256 x 192, 160 x 120 |
| JPEG mode | 640 x 480, 480 x 360, 384 x 288. |
| | 320 x 240, 256 x 192, 160 x 120 |
| Maximum frame rate | |
| MPEG-4 mode | Max. 30 fps, 320 x 240, |
| | Max. 15 fps, 640 x 480 |
| JPEG mode | Max. 30 fps, 320 x 240, |
| | Max. 18 fps, 640 x 480 |
| Audio compression | G.711 (64 Kbps)/G.726 (40, 32, 24, 16 Kbps) |
| Number of clients | |
| MPEG-4 mode | 10 clients |
| JPEG mode | 20 clients |
| Protocols | TCP/IP, UDP, RTP, RTCP, ARP, ICMP, HTTP, FTP, SMTP, DHCP, DNS, NTP and PPPoE, |
| _ | SNMP |
| INTERFACES | |
| Ethernet | 100Base-TX/10Base-T (RJ-45) |
| Video output | Mini-jack |
| Built-in microphone | Electret condenser microphone |
| External microphone input | Mini-jack, Plug-in power, 2.2 K ohm, Unbalanced |
| Line output | Mini-jack |
| Sensor in | |
| Alarm out | 1 |
| GENERAL | |
| Mass | Approx. 225 g (8 oz) |
| Dimensions (W x H x D) | 99.5 x 35 x 138.5 mm (4 x 1 7/16 x 5 1/2 inches) without projection |
| Power requirements | DC 12 V |
| Power consumption | 3.5 W |
| Operating temperature | 0 to +35 °C (32 to 95 °F) |
| Storage temperature | -20 to +60 °C (-4 to +140 °F) |
| Operating humidity | 20 to 80%, non-condensing |
| Storage humidity | 20 to 95%, non-condensing |
| Supplied accessories | AC adaptor (x1) |
| | CD-ROM (x1, setup program and user guide) |
| | Stand (x1) |

Specifications

Network Video Cameras

Network Video Cameras

| | SNC-M1W SNC-M1W | SNC-M3 SNC-M3W |
|---|--|---|
| CAMERA | | |
| Image device | 1/4-type CMOS | 1/4-type CMOS |
| Number of effective pixels (H x | | 652 x 482 |
| Pan range | | + 60 to -60 degrees |
| Tilt range | | + 10 to -60 degrees |
| Lens type | Fixed focal lens | Fixed focal lens |
| Focal length | f=3.7 mm | f=3.7 mm |
| Viewing angle | Horizontal: 51.0°, Vertical: 38.9° | Horizontal: 51.0° Vertical: 38.9° |
| Minimum object distance | 80 cm | 80 cm |
| VIDEO | | 22.7 |
| Compression format | MPEG-4, JPEG | MPEG-4, JPEG |
| Image size (H x V) | IIII Ed 4; of Ed | mi Ed 4 ₁ of Ed |
| MPEG-4 mode | 640 x 480, 320 x 240, 160 x 120 | 640 x 480, 320 x 240, 160 x 120 |
| JPEG mode | 640 x 480, 320 x 240, 160 x 120 | 640 x 480, 320 x 240, 160 x 120 |
| Maximum frame rate | 040 X 400, 320 X 240, 100 X 120 | 040 X 400, 020 X 240, 100 X 120 |
| MPEG-4 mode | Max. 30 fps (320 x 240) | Max. 30 fps (320 x 240) |
| JPEG mode | Max. 30 fps (320 x 240) | Max. 30 fps (320 x 240) |
| | 1910A. 30 1p3 (320 x 240) | max. 30 tps (320 x 240) |
| AUDIO . | 0.700 (40.00.04.40)(4) | 0.700 (40.00.04.40 (40.40) |
| Audio compression | G.726 (40, 32, 24, 16 Kbps) | G.726 (40, 32, 24, 16 Kbps) |
| Built-in microphone | Electret condenser microphone | Electret condenser microphone |
| NETWORK | | |
| Protocols | TCP/IP, ARP, ICMP, DHCP, DNS, HTTP, FTP, SMTP, NTP | TCP/IP, ARP, ICMP, DHCP, DNS, HTTP, FTP, SMTP, NTP |
| WIRELESS LAN | | |
| Standard | - IEEE802.11b (2.4 GHz) | - IEEE802.11b (2.4 GHz) |
| Transmission speed | 11Mbps/5.5Mbps/2Mbps/ 1Mbps (Auto Switch) | - 11Mbps/5.5Mbps/2Mbps/ 1Mbps (Auto Switch) |
| Security | - WEP (64/128 bits) | — WEP (64/128 bits) |
| | - WEF (04/120 DR3) | = WET (04/120 bits) |
| INTERFACES Ethernet | 100Daga TV/10Daga T (D L 45) | 100Daga TV/10Daga T /D L 45\ |
| | 100Base-TX/10Base-T (RJ-45) | 100Base-TX/10Base-T (RJ-45) |
| External microphone input Audio line output | Mini-jack, 2.4 VDC plug-in power, 2.2 k ohm Mini-jack | Mini-jack, 2.4 VDC plug-in power, 2.2 k ohm Mini-jack |
| | IVIIII-Jack | WIIII-jack |
| GENERAL | . | |
| Mass | Approx. 230 g (8 oz) Approx. 240 g (8 oz) | Approx. 380 g (13 oz) Approx. 390 g (14 oz) |
| Dimensions (Dia. x H) | 110 x 68.5 mm (4 3/8 x 2 3/4 inches) | 110 x 104 mm (4 3/8 x 4 1/8 inches) |
| | (excludes projection port) | (excludes projection port) |
| Power requirements | DC 5 V | DC 5 V |
| Power consumption | 2.7 W 3.5 W | 6.7 W 7.5 W |
| Operating temperature | 0 to +40 °C (32 to 104 °F) | 0 to +40 °C (32 to 104 °F) |
| Storage temperature | -20 to +60 °C (-4 to +140 °F) | -20 to +60 °C (-4 to +140 °F) 20 to 80%, non-condensing |
| Operating humidity | 20 to 80%, non-condensing | 20 to 95%, non-condensing |
| Storage humidity | 20 to 95%, non-condensing | 20 to 95%, non-condensing |
| SUPPLIED ACCESSORIES | | |
| | AC adaptor | AC adaptor |
| | Stand | Stand |
| | Wire | Wire |
| | Rubber foot | Wall-mount bracket |
| | CD-ROM (users guide, supplied program) | Rubber foot |
| | Installation manual | CD-ROM (users guide, supplied program) Installation manual |
| SYSTEM REQUIREMENTS | | |
| Operating system | Microsoft® Windows® 2000/XP | Microsoft® Windows® 2000/XP |
| Processor | Intel® Pentium® III, 1 GHz or higher | Intel® Pentium® III, 1 GHz or higher |
| | (Recommendation: Pentium IV, 2GHz or higher) | (Recommendation: Pentium IV, 2GHz or higher) |
| Memory | 256 MB RAM minimum | 256 MB RAM minimum |
| Web browser | Microsoft Internet Explorer® version 5.5 or 6.0 | Microsoft Internet Explorer® version 5.5 or 6.0 |
| | | |

Specifications Specifications

Network Video Recorders and Servers

| | SNT-V501 | SNT-V504 |
|--------------------------|---|---|
| ANALOGUE VIDEO INTERFACE | | |
| Video input | (1) Analogue composite (BNC x 1),1.0 Vp-p, 75 Ω , unbalanced, sync negative Auto sensing | (4) Analogue composite (BNC x 1),1.0 Vp-p 75 Ω , unbalanced, sync negative Auto sensing |
| Video ouput | Through video output: Analogue composite (BNC \times 1),1.0 Vp-p, 75 Ω , unbalanced, sync negative | Analogue composite (BNC x 1),1.0 Vp-p, 75 Ω , unbalanced, sync negative (QUAD/Single selectable) |
| System/Network | CPU 32-bit RISC processor RAM 32 N | 1B (including 8 MB alarm buffer) |
| Flash memory | 8 MB | |
| Image size | 704 x 480, 640 x 480, 320 x | 240, 160 x 120 pixels |
| Compression method | JPEG | |
| Compression ratio | Approx. 1/5 to 1/60 (10 steps) *Th on an image of 24 bits/picture elei | |
| Frame rate | Max. 30 fps (640 x 480) | Max. 30 fps (640 x 480), 30 fps (320 x 240) per video input |
| Protocols | TCP/IP, ARP, ICMP, HTTP, FTP (server/client), | |
| Number of clients | Max. 5 | |
| INTERFACES | | |
| Ethernet | 100BASE-TX / 10B | ASE-T (RJ-45) |
| Sensor input | (1) 3.3 to 24 V DC device supported, photo coupler inputs electrically isolated from this unit | (4) 3.3 to 24 V DC device supported, photo coupler inputs electrically isolated from this unit |
| Alarm output | (2) 24 V DC or less, 1 A, mechanical relay outp | outs electrically isolated from the camera |
| Serial interface | RS-485/RS-232C (for camera con | trol or transparency function) |
| PC card slot | PCMCIA Typ | e II (1) |
| GENERAL | | |
| Mass | Approx. 650 g (1 lb 7 oz) | Approx. 710 g (1 lb 9 oz) |
| Dimensions (W/H/D) | 128 x 40 x 150 mm (5 1/8 x 1 5/8 x 6 | |
| Power requirement | DC 12 V or A | |
| Power consumption | 10.0 W max. | 14.0 W max. |
| Operating temperature | -10 to 50 °C (14 °F to 122 °F) When PC card | |
| Storage temperature | -20 to 60 °C (-4 to 140 °F) | |
| Operating humidity | 20 to 80 %, Non-condensing | |
| Storage humidity | 20 to 95 %, Non-condensing | |
| Supplied accessories | CD-ROM (setup program and User's Guide) (1), I/O receptacle (1), Installation manual (1) | |

Network Video Recorders and Servers

| | FSV-RSM9/FSV-RSM16 |
|--|--|
| OVOTEM | |
| SYSTEM Chipset | ServerWorks GC-SL+CSB6 |
| CPU | Intel Pentium 4, 2.4GHz/533MHz front-side bus |
| Memory | 512 MB PC-2100 DDR266 CL2 with ECC registered |
| OS . | Windows XP Professional |
| Pre-installed software*1 | RealShot Manger version 2.0, RealShot Manager License File 1 Installed or bundled at configuration center |
| INTERFACES | |
| Serial | RS-232C, 9-pin x1 |
| Keyboard, Mouse | PS/2 x 2 |
| JSB 1.1 Graphic | Front x 2, Rear x 1 |
| LAN | VGA(15-pin) x 1 RJ-45 x 2(10/100 x 1, 10/100/1000 x 1) |
| ONBOARD CONTROLLER | 10 10 X 2(10/100 X 1) 10/100/1000 X 1) |
| DE | ATA100 |
| RAID | 2-channel IDE RAID 0, 1 SPAN |
| Graphic | ATI Range XL, SMB VRAM |
| HDD | |
| Capacity | 500 GB (250 GB x 2) |
| DISC BAYS | |
| HDD | 3.5 inch x 2 |
| FDD Drive | 3.5 inch x 1 |
| GENERAL | |
| Operating temperature | 10°C to 35°C (50°F to 95°F) |
| Operating humidity | 20% to 80% |
| Dimensions(WxHxD) Mass | 430 x 43 x 400 mm(17 x 1 3/4 x 15 3/4 inches) |
| Rated voltage | approx. 8.0 kg(17lb 10oz) |
| Rated current | 100-127, 220-240 V 100 to 127V: 5.5 A, 200 to 240 V: 2.75 A |
| Power consumption | 200 W |
| Frequency | 50/60 Hz |
| Supplied accessories | Rack mounting kit(1), Ethernet cable(1), FSV-IPM1 System Utility CD-ROM, Windows XP |
| | Professional Installation CD, RealShot Manager 2.0 CD, RealShot Manager License FD, |
| | FSV-IPM1 Installation Guide, Rubber foot(4) |
| SAFETY STANDARD/EMC INFORMATION | |
| Safety standard EMC | CSA C22.2 No.60950 3rd /UL 60950 3rd IEC 60950 3rd EN 60950 3rd Low voltage direct FCC47 CFR Part 15 Class A IC ICES-003 Class A |
| EWIC | |
| | FMC Directive 89/336/FFC FN55022 Class Δ FN55024 VCCI Class Δ IFITΔ |
| | EMC Directive 89/336/EEC EN55022 Class A, EN55024 VCCI Class A JEITA |
| | FSVM51000W |
| | FSVM51000W Application Server |
| | FSVM51000W Application Server 1000 GB (4x hot-swappable 250 GB |
| System Specifications | FSVM51000W Application Server 1000 GB (4x hot-swappable 250 GB Ultra ATA-100 drives) |
| System Specifications CPU | FSVM51000W Application Server 1000 GB (4x hot-swappable 250 GB Ultra ATA-100 drives) Intel Pentium 4, 2.4 GHz processor |
| System Specifications CPU Memory | FSVM51000W Application Server 1000 GB (4x hot-swappable 250 GB Ultra ATA-100 drives) Intel Pentium 4, 2.4 GHz processor 512 MB RAM STD (up to 4GB RAM optional) |
| System Specifications CPU Memory Memory Slots | FSVM51000W Application Server 1000 GB (4x hot-swappable 250 GB Ultra ATA-100 drives) Intel Pentium 4, 2.4 GHz processor 512 MB RAM STD (up to 4GB RAM optional) DIMM x 4 sockets |
| System Specifications CPU Memory Memory Slots Hard Disk Capacity HDD Interface | FSVM51000W Application Server 1000 GB (4x hot-swappable 250 GB Ultra ATA-100 drives) Intel Pentium 4, 2.4 GHz processor 512 MB RAM STD (up to 4GB RAM optional) DIMM x 4 sockets 1000 GB (250 GB x 4) Hot-swappable ATA (IDE) |
| System Specifications CPU Memory Memory Slots Hard Disk Capacity HDD Interface HDD Raid Level | FSVM51000W Application Server 1000 GB (4x hot-swappable 250 GB Ultra ATA-100 drives) Intel Pentium 4, 2.4 GHz processor 512 MB RAM STD (up to 4GB RAM optional) DIMM x 4 sockets 1000 GB (250 GB x 4) Hot-swappable ATA (IDE) Hardware RAID: RAID 0.1.5 (0/S: 0+1) |
| System Specifications CPU Memory Memory Slots Hard Disk Capacity HDD Interface HDD Raid Level | FSVM51000W Application Server 1000 GB (4x hot-swappable 250 GB Ultra ATA-100 drives) Intel Pentium 4, 2.4 GHz processor 512 MB RAM STD (up to 4GB RAM optional) DIMM x 4 sockets 1000 GB (250 GB x 4) Hot-swappable ATA (IDE) Hardware RAID : RAID 0,1,5 (0/S : 0+1) 480 GB (RAID 5), 320 GB (RAID 1), |
| System Specifications CPU Memory Memory Slots Hard Disk Capacity HDD Interface HDD Raid Level User Area Capacity (GB) | FSVM51000W Application Server 1000 GB (4x hot-swappable 250 GB Ultra ATA-100 drives) Intel Pentium 4, 2.4 GHz processor 512 MB RAM STD (up to 4GB RAM optional) DIMM x 4 Soxofets 1000 GB (250 GB x 4) Hot-swappable ATA (IDE) Hardware RAID : RAID 0,1,5 (0/S : 0+1) 480 GB (RAID 5), 320 GB (RAID 1), 640 GB (RAID 0) |
| System Specifications CPU Memory Memory Slots Hard Disk Capacity HDD Interface HDD Raid Level User Area Capacity (GB) Operating System | FSVM51000W Application Server 1000 GB (4x hot-swappable 250 GB Ultra ATA-100 drives) Intel Pentium 4, 2.4 GHz processor 512 MB RAM STD (up to 4GB RAM optional) DIMM x 4 sockets 1000 GB (250 GB x 4) Hot-swappable ATA (IDE) Hardware RAID : RAID 0,1,5 (0/S: 0+1) 480 GB (RAID 5), 320 GB (RAID 1), 640 GB (RAID 0) Windows 2000 Server preinstalled (incl. 5 CAL) |
| System Specifications CPU Memory Memory Slots Hard Disk Capacity HDD Interface HDD Raid Level Jser Area Capacity (GB) Operating System System Management Vektovrk Transport Protocol | FSVM51000W Application Server 1000 GB (4x hot-swappable 250 GB Ultra ATA-100 drives) Intel Pentium 4, 2.4 GHz processor 512 MB RAM STD (up to 4GB RAM optional) DIMM x 4 sockets 1000 GB (250 GB x 4) Hot-swappable ATA (IDE) Hardware RAID : RAID 0,1,5 (0/S: 0+1) 480 GB (RAID 5), 320 GB (RAID 1), 640 GB (RAID 0) Windows 2000 Server preinstalled (incl. 5 CAL) Recovery CDs TCP/IP |
| System Specifications CPU Wemory Memory Slots Hard Disk Capacity HDD Interface HDD Raid Level User Area Capacity (GB) Operating System System Management Veltwork Transport Protocol Veltwork Transport Protocol | FSVM51000W Application Server 1000 GB (4x hot-swappable 250 GB Ultra ATA-100 drives) Intel Pentium 4, 2.4 GHz processor 512 MB RAM STD (up to 4GB RAM optional) DIMM x 4 sockets 1000 GB (250 GB x 4) Hot-swappable ATA (IDE) Hardware RAID : RAID 0,1,5 (0/S : 0+1) 480 GB (RAID 5), 320 GB (RAID 1), 640 GB (RAID 0) Windows 2000 Server preinstalled (incl. 5 CAL) Recovery CDs TCP/IP N/A |
| System Specifications CPU Memory Memory Slots Hard Disk Capacity HDD Interface HDD Raid Level User Area Capacity (GB) Operating System System Management Network Tiransport Protocol Veltwork File Protocols Veltwork File Protocols | FSVM51000W Application Server 1000 GB (4x hot-swappable 250 GB Ultra ATA-100 drives) Intel Pentium 4, 2.4 GHz processor 512 MB RAM STD (up to 4GB RAM optional) DIMM x 4 sockets 1000 GB (250 GB x 4) Hot-swappable ATA (IDE) Hardware RAID : RAID 0,1,5 (0/S : 0+1) 480 GB (RAID 5), 320 GB (RAID 1), 640 GB (RAID 0) Windows 2000 Server preinstalled (incl. 5 CAL) Recovery CDs TCP/IP N/A |
| System Specifications CPU Memory Memory Slots Hard Disk Capacity HDD Interface HDD Raid Level User Area Capacity (GB) Operating System System Management Network Tiransport Protocol Veltwork File Protocols Veltwork File Protocols | FSVM51000W Application Server 1000 GB (4x hot-swappable 250 GB Ultra ATA-100 drives) Intel Pentium 4, 2.4 GHz processor 512 MB RAM STD (up to 4GB RAM optional) DIMM x 4 sockets 1000 GB (250 GB x 4) Hot-swappable ATA (IDE) Hardware RAID : RAID 0,1,5 (0/S: 0+1) 480 GB (RAID 5), 320 GB (RAID 1), 640 GB (RAID 0) Windows 2000 Server preinstalled (incl. 5 CAL) Recovery CDs TCP/IP N/A N/A N/A N/A DUtch, English, French, German, Italian, Japanese, Korean, Spanish, Swedish, |
| System Specifications CPU Memory Memory Slots Hard Disk Capacity HDD Interface HDD Raid Level Joser Area Capacity (GB) Operating System System Management Network Transport Protocol Vetwork Flie Protocols Vetwork Client Types Supported Languages | FSVM51000W Application Server 1000 GB (4x hot-swappable 250 GB Ultra ATA-100 drives) Intel Pentilum 4, 2.4 GHz processor 512 MB RAM STD (up to 4GB RAM optional) DIMM x 4 sockets 1000 GB (250 GB x 4) Hot-swappable ATA (IDE) Hardware RAID : RAID 0,1,5 (0/S : 0+1) 480 GB (RAID 5), 320 GB (RAID 1), 640 GB (RAID 0) Windows 2000 Server preinstalled (incl. 5 CAL) Recovery CDs TCP/IP N/A N/A N/A Dutch, English, French, German, Italian, Japanese, Korean, Spanish, Swedish, Chinese (simplified), Chinese (traditional) |
| System Specifications CPU Memory Memory Slots Hard Disk Capacity HDD Interface HDD Raid Level User Area Capacity (GB) Operating System System Management Network Transport Protocol Network Tile Protocols Vetwork Client Types Supported Languages | FSVM51000W Application Server 1000 GB (4x hot-swappable 250 GB Ultra ATA-100 drives) Intel Pentium 4, 2.4 GHz processor 512 MB RAM STD (up to 4GB RAM optional) DIMM x 4 sockets 1000 GB (250 GB x 4) Hot-swappable ATA (IDE) Hardware RAID : RAID 0,1,5 (0/S : 0+1) 480 GB (RAID 5), 320 GB (RAID 1), 640 GB (RAID 0) Windows 2000 Server preinstalled (incl. 5 CAL) Recovery CDs TCP/IP N/A Dutch, English, French, German, Italian, Japanese, Korean, Spanish, Swedish, Chinese (simplified), Chinese (traditional) Dual auto-sensing 10 BaseT/100 BaseTV/1000 BaseT |
| System Specifications CPU Memory Memory Slots Hard Disk Capacity HDD Interface HDD Raid Level Joser Area Capacity (GB) Operating System System Management Veltwork Transport Protocol Network File Protocols Network Client Types Supported Languages Veltwork Connection | FSVM51000W Application Server 1000 GB (4x hot-swappable 250 GB Ultra AIA-100 drives) Intel Pentium 4, 2.4 GHz processor 512 MB RAM STD (up to 4GB RAM optional) DIMM x 4 sockets 1000 GB (250 GB x 4) Hot-swappable AIA (IDE) Hardware RAID : RAID 0,1,5 (0/S : 0+1) 480 GB (RAID 5), 320 GB (RAID 1), 640 GB (RAID 5), 320 GB (RAID 1), 640 GB (RAID 0) Windows 2000 Server preinstalled (incl. 5 CAL) Recovery CDs TCP/IP N/A Dutch, English, French, German, Italian, Japanese, Korean, Spanish, Swedish, Chinese (simplified), Chinese (traditional) Dual auto-sensing 10 Base/7100 Base/TX/1000 Base/T with fail-over and load balancing (RJ-45 connectors) N/A |
| System Specifications CPU Memory Memory Slots I ard Disk Capacity I HDD Interface I HDD Interface I HDD I How I HDD I HOW I HDD I HOW I HDD I HOW I HDD I HD | FSVM51000W Application Server 1000 GB (4x hot-swappable 250 GB Ultra ATA-100 drives) Intel Pentium 4, 2.4 GHz processor 512 MB RAM STD (up to 4GB RAM optional) DIMM x 4 sockets 1000 GB (250 GB x 4) Hot-swappable ATA (IDE) Hardware RAID : RAID 0,1,5 (0/S : 0+1) 480 GB (RAID 5), 320 GB (RAID 1), 640 GB (RAID 0) Windows 2000 Server preinstalled (incl. 5 CAL) Recovery CDs TCP/IP N/A N/A N/A N/A Dutch, English, French, German, Italian, Japanese, Korean, Spanish, Swedish, Chinese (simplified), Chinese (traditional) Dual auto-sensing 10 Base (1700 BaseTX/1000 BaseT with fail-over and load balancing (RJ-45 connectors) N/A Interface front : USB 2.0 x 2 Interface rear : RS-232C x 1 (D-sub 9pin) |
| System Specifications CPU Memory Memory Slots Hard Disk Capacity HDD Interface HDD Raid Level User Area Capacity (GB) Operating System System Management Network Transport Protocol Veltwork File Protocols Network File Protocols Network Connection Network Connection | FSVM51000W Application Server 1000 GB (4x hot-swappable 250 GB Ultra ATA-100 drives Intel Pentium 4, 2.4 GHz processor 512 MB RAM STD (up to 4GB RAM optional) DIMM x 4 Sockets 1000 GB (250 GB x 4) Hot-swappable ATA (IDE) ATA (IDE) ATA (IDE) Hardware RAID : RAID 0,1,5 (0/S : 0+1) 480 GB (RAID 5), 320 GB (RAID 1), 640 GB (RAID 5), 320 GB (RAID 1), 640 GB (RAID 0) Windows 2000 Server preinstalled (incl. 5 CAL) Recovery CDs TCP/IP N/A N/A N/A Dutch, English, French, German, Italian, Japanese, Korean, Spanish, Swedish, Chinese (simplified), Chinese (traditional) Dual auto-sensing 10 BaseT/100 BaseT/V1000 BaseT with fail-over and load balancing (RJ-45 connectors) N/A Interface front : USB 2.0 x 2 Interface rear : RS-232C x 1 (D-sub 9pin) PS/2 x 2 (Keyboard, Mouse) VGA Monitor SCSI (68 pin, VHDC) |
| System Specifications CPU Memory Memory Slots Hard Disk Capacity HDD Interface HDD Raid Level Joser Area Capacity (GB) Operating System System Management Vetwork Transport Protocol Vetwork File Protocols Vetwork File Protocols Vetwork File Argues Supported Languages Vetwork Connection Vetwork Connection Vetwork Security Interface outside | FSVM51000W Application Server 1000 GB (4x hot-swappable 250 GB Ultra ATA-100 drives) Intel Pentium 4, 2.4 GHz processor 512 MB RAM STD (up to 4GB RAM optional) DIMM x 4 sockets 1000 GB (250 GB x 4) Hot-swappable ATA (IDE) Hardware RAID : RAID 0,1,5 (0/S : 0+1) 480 GB (RAID 5), 320 GB (RAID 1), 640 GB (RAID 0) Windows 2000 Server preinstalled (incl. 5 CAL) Recovery CDs TCP/IP N/A Dutch, English, French, German, Italian, Japanese, Korean, Spanish, Swedish, Chinese (simplified), Chinese (traditional) Dual auto-sensing 10 Base/T100 Base/TV1000 Base/T with fail-over and load balancing (RJ-45 connectors) N/A Interface front : USB 2.0 x 2 Interface rear : RS-232C x 1 (D-sub 9pin) PS/2 x 2 (Keyboard, Mouse) VGA Monitor SCSI (68 pin, VHDCI) Ethernet Network (RJ-45 x 2 AC ~ Power in |
| System Specifications CPU Memory Memory Memory Slots Hard Disk Capacity HDD Interface HDD Raid Level Joser Area Capacity (GB) Operating System System Management Veltwork Transport Protocol Veltwork Transport Protocol Veltwork Client Types Supported Languages Vetwork Connection Vetwork Security Interface outside | FSVM51000W Application Server 1000 GB (4x hot-swappable 250 GB Ultra ATA-100 drives) Intel Pentium 4, 2.4 GHz processor 512 MB RAM STD (up to 4GB RAM optional) DIMM x 4 sockets 1000 GB (250 GB x 4) Hot-swappable ATA (IDE) Hardware RAID : RAID 0,1,5 (0/S : 0+1) 480 GB (RAID 5), 320 GB (RAID 1), 640 GB (RAID 5), 320 GB (RAID 1), 640 GB (RAID 0) Windows 2000 Server preinstalled (incl. 5 CAL) Recovery CDs TCP/IP N/A N/A N/A N/A Dutch, English, French, German, Italian, Japanese, Korean, Spanish, Swedish, Chinese (simplified), Chinese (traditional) Dual auto-sensing 10 BaseT/100 BaseT/Vional BaseT/Vional BaseT/Vional Raid Raid Raid Raid Raid Raid Raid Raid |
| System Specifications CPU Memory Memory Memory Slots Hard Disk Capacity HDD Interface HDD Raid Level User Area Capacity (GB) Operating System System Management Vetwork Transport Protocol Network File Protocols Network File Protocols Network File Protocols Network Connection Network Connection Network Connection Network Security Interface outside | FSVM51000W Application Server 1000 GB (4x hot-swappable 250 GB Ultra ATA-100 drives) Intel Pentium 4, 2.4 GHz processor 512 MB RAM STD (up to 4GB RAM optional) DIMM x 4 sockets 1000 GB (250 GB x 4) Hot-swappable ATA (IDE) Hardware RAID : RAID 0,1,5 (0/S : 0+1) 480 GB (RAID 5), 320 GB (RAID 1), 640 GB (RAID 5), 320 GB (RAID 1), 640 GB (RAID 0) Windows 2000 Server preinstalled (incl. 5 CAL) Recovery CDS TCP/IP N/A Dutch, English, French, German, Italian, Japanese, Korean, Spanish, Swedish, Chinese (simplified), Chinese (traditional) Dual auto-sensing 10 BaseT/100 BaseTX/1000 BaseT with fail-over and load balancing (RJ-45 connectors) N/A Interface front : USB 2.0 x 2 Interface rear : RS-232C x 1 (D-sub 9pin) PS/2 x 2 (Keyboard, Mouse) VGA Monitor SCSI (68 pin, VHDC) Ethernet Network (RJ-45) x 2 AC – Power in PCI expansion slot x 2 (short card size x 2), mini PCI for SCSI x 1 for tape device N/A |
| System Specifications CPU Memory Memory Slots Hard Disk Capacity HDD Interface HDD Raid Level User Area Capacity (GB) Operating System System Management Network Transport Protocol Network Transport Protocol Network Client Types Supported Languages Network Connection Network Security Interface outside Interface inside Windows Network Integration Form Factor | FSVM51000W Application Server 1000 GB 4x hot-swappable 250 GB Ultra ATA-100 drives) Intel Pentilux 4, 2.4 GHz processor 512 MB RAM STD (up to 4GB RAM optional) DIMM x 4 sockets 1000 GB (250 GB x 4) Hot-swappable ATA (IDE) Hardware RAID: RAID 0.1,5 (O/S: 0+1) 480 GB (RAID 5), 320 GB (RAID 1), 640 GB (RAID 5), 320 GB (RAID 1), 640 GB (RAID 0.0) Windows 2000 Server preinstalled (incl. 5 CAL) Recovery CDS TCP/IP N/A N/A Dutch, English, French, German, Italian, Japanese, Korean, Spanish, Swedish, Chinese (simplified), Chinese (traditional) Dual auto-sensing 10 BaseT/100 BaseT/V100 BaseT with fall-over and load balancing (RJ-45 connectors) N/A Interface front: USB 2.0 x 2 Interface rear: RS-232C x 1 (D-sub 9pin) PS/2 x 2 (Keyboard, Mouse) VGA Monitor SCSI (68 pin, VHDCI) Ethernet Network (RJ-45) x 2 AC — Power in PCI expansion slot x 2 (short card size x 2), mini PCI for SCSI x 1 for tape device N/A |
| System Specifications CPU Memory Memory Memory Slots Hard Disk Capacity HDD Interface HDD Raid Level Joser Area Capacity (GB) Operating System System Management Vetwork Transport Protocol Vetwork File Protocols Vetwork File Protocols Vetwork File Protocols Vetwork File Protocols Vetwork Connection Network Connection Vetwork Connection Vetwork Security Interface outside Interface inside Mindows Network Integration Form Factor Operating Environment Doz-ROM | FSVM51000W Application Server 1000 GB (4x hot-swappable 250 GB Ultra ATA-100 drives) Intel Pentium 4, 2.4 GHz processor 512 MB RAM STD (up to 4GB RAM optional) DIMM x 4 sockets 1000 GB (250 GB x 4) Hot-swappable ATA (IDE) Hardware RAID : RAID 0,1,5 (0/S: 0+1) 480 GB (RAID 5), 320 GB (RAID 1), 640 GB (RAID 5), 320 GB (RAID 1), 640 GB (RAID 6), Windows 2000 Server preinstalled (incl. 5 CAL) Recovery CDs TCP/IP N/A Dutch, English, French, German, Italian, Japanese, Korean, Spanish, Swedish, Chinese (simplified), Chinese (traditional) Dual auto-sensing 10 BaseT/100 BaseT/V1000 BaseT with fail-over and load balancing (RJ-45 connectors) N/A Interface front : USB 2.0 x 2 Interface rear : RS-232C x 1 (D-sub 9pin) PS/2 x 2 (Keyboard, Mouse) VGA Monitor SCSI (68 pin, VHDCI) Ethernet Network (RJ-45) x 2 AC - Power in PCI expansion slot x 2 (short card size x 2), mini PCI for SCSI x 1 for tape device N/A 19" rack-mountable (1U height) Temperature: 10 to 35 °C |
| System Specifications CPU Memory Memory Memory Slots Hard Disk Capacity HDD Interface HDD Raid Level User Area Capacity (GB) Operating System System Management Network Transport Protocol Network Transport Protocol Network Transport Protocol Network Client Types Supported Languages Network Connection Network Security Interface outside Interface inside Windows Network Integration Form Factor Operating Environment CD-ROM | FSVM51000W Application Server 1000 GB (4x hot-swappable 250 GB Ultra ATA-100 drives) Intel Pentium 4, 2.4 GHz processor 512 MB RAM STD (up to 4GB RAM optional) DIMM x 4 Sockets 1000 GB (250 GB x 4) Hot-swappable ATA (IDE) ATA (IDE) ATA (IDE) Hardware RAID : RAID 0,1,5 (0/S : 0+1) 480 GB (RAID 5), 320 GB (RAID 1), 640 GB (RAID 5), 320 GB (RAID 1), 640 GB (RAID 0) Windows 2000 Server preinstalled (incl. 5 CAL) Recovery CDs TCP/IP N/A N/A N/A N/A Dutch, English, French, German, Italian, Japanese, Korean, Spanish, Swedish, Chinese (simplified), Chinese (traditional) Dual auto-sensing 10 Base/1700 Base/17000 Base/17000 Base/17000 Windows COS (RAID 1), With fail-over and load balancing (RJ-45 connectors) N/A Interface front : USB 2.0 x 2 Interface rear : RS-232C x 1 (D-sub 9pin) PS/2 x 2 (Keyboard, Mouse) VGA Monitor SCSI (68 pin, VHDC) Ethernet Network (RJ-45) x 2 AC - Power in PCI expansion slot x 2 (short card size x 2), mini PCI for SCSI x 1 for tape device N/A 19" rack-mountable (1U height) Temperature: 10 to 35 °C Slim 24x CDROM |
| System Specifications CPU Memory Memory Memory Slots Hard Disk Capacity HDD Interface HDD Raid Level User Area Capacity (GB) Operating System System Management Network Transport Protocol Network File Protocols Network File Protocols Network File Protocols Network Connection Network Connection Network Connection Network Security Interface outside Windows Network Integration Form Factor Operating Environment CD-ROM Front Display Front Display Front Display Fractor Operating Environment CD-ROM Front Display Fractor Operating Environment Frac | FSVM51000W Application Server 1000 GB (4x hot-swappable 250 GB Ultra ATA-100 drives) Intel Pentium 4, 2.4 GHz processor 512 MB RAM STD (up to 4GB RAM optional) DIMM x 4 sockets 1000 GB (250 GB x 4) Hot-swappable ATA (IDE) Hardware RAID : RAID 0,1,5 (0/S : 0+1) 480 GB (RAID 5), 320 GB (RAID 1), 640 GB (RAID 5), 320 GB (RAID 1), 640 GB (RAID 6), 320 GB (RAID 1), 640 GB (RAID 5), 320 CC (RAID 1), 640 GB (RAID 5), 320 CC (RAID 1), 640 GB (RAID 5), 320 CC (RAID 1), 640 GB (RAID 6), 320 CC (RAID 1), 640 GB (RAID 5), 320 CC (RAID 1), 320 CC (RAID 1 |
| System Specifications CPU Memory Memory Memory Slots Hard Disk Capacity HDD Interface HDD Raid Level User Area Capacity (GB) Operating System System Management Network Transport Protocol Network Transport Protocol Network Transport Protocol Network Client Types Supported Languages Network Connection Network Security Interface outside Interface inside Windows Network Integration Form Factor Operating Environment CD-ROM Front Display Rated Voltage Rated Current | FSVM51000W Application Server 1000 GB (4x hot-swappable 250 GB Ultra ATA-100 drives) Intel Pentilum 4, 2.4 GHz processor 512 MB RAM STD (up to 4GB RAM optional) DIMM x 4 sockets 1000 GB (250 GB x 4) Hot-swappable ATA (IDE) Hardware RAID : RAID 0,1,5 (O/S : 0+1) 480 GB (RAID 5), 320 GB (RAID 1), 640 GB (RAID 1), 320 GB (RAID 1), 320 GB (RAID 1), 640 GB (RAID 1), 320 GB (RA |
| System Specifications CPU Memory Memory Memory Slots Hard Disk Capacity HDD Interface HDD Raid Level User Area Capacity (GB) Operating System Network Transport Protocol Veltwork File Protocols Veltwork File Protocols Veltwork File Protocols Network Connection Network Connection Network Connection Network Security Interface outside Windows Network Integration Form Factor Operating Environment CD-ROM Front Display Rated Voltage Rated Current Dimensions (W x H x D) | FSVM51000W Application Server 1000 GB (4x hot-swappable 250 GB Ultra ATA-100 drives) Intel Pentium 4, 2.4 GHz processor 512 MB RAM STD (up to 4GB RAM optional) DIMM x 4 sockets 1000 GB (250 GB x 4) Hot-swappable ATA (IDE) Hardware RAID : RAID 0,1,5 (0/S : 0+1) 480 GB (RAID 5), 320 GB (RAID 1), 640 GB (RAID 5), 320 GB (RAID 1), 641 GB (RAID 5), 320 GB (RAID 1), 642 GB (RAID 5), 320 GB (RAID 1), 643 GB (RAID 5), 320 GB (RAID 1), 644 GB (RAID 5), 320 GB (RAID 1), 645 GB (RAID 5), 320 GB (RAID 1), 646 GB (RAID 5), 320 GB (RAID 1), 647 GB (RAID 5), 320 GB (RAID 1), 648 GB (RAID 5), 320 GB (RAID 1), 649 GB (RAID 5), 320 GB (RAID 1), 640 GB (RAID 5), 320 GB (RAID 6), 320 GB (RAID 1), 640 GB (RAID 5), 320 GB (RAID |
| Main Function System Specifications CPU Memory Memory Slots Hard Disk Capacity HDD Interface HDD Raid Level User Area Capacity (GB) Operating System System Management Network File Protocol Network File Protocols Network File Protocols Network File Protocols Network File Protocols Network Connection Network Connection Network Connection Network Connection Network Geurity Interface outside Windows Network Integration Form Factor Operating Environment CD-ROM Front Display Rated Voltage Rated Current Dimensions (W x H x D) Weight Operating Environ Weight Operating Environment CD-ROM Front Display Rated Current Dimensions (W x H x D) Weight Operating Relative Humidity | FSVM51000W Application Server 1000 GB (4x hot-swappable 250 GB Ultra ATA-100 drives) Ultra ATA-100 drives) Ultra ATA-100 drives Ultra |
| System Specifications CPU Memory Memory Memory Slots Hard Disk Capacity HDD Interface HDD Raid Level User Area Capacity (GB) Operating System Network Transport Protocol Veltwork File Protocols Veltwork File Protocols Veltwork File Protocols Network Connection Network Connection Network Connection Network Security Interface outside Windows Network Integration Form Factor Operating Environment CD-ROM Front Display Rated Voltage Rated Current Dimensions (W x H x D) | FSVM51000W Application Server 1000 GB (4x hot-swappable 250 GB Ultra ATA-100 drives) Intel Pentium 4, 2.4 GHz processor 512 MB RAM STD (up to 4GB RAM optional) DIMM x 4 sockets 1000 GB (250 GB x 4) Hot-swappable ATA (IDE) Hardware RAID : RAID 0,1,5 (0/S : 0+1) 480 GB (RAID 5), 320 GB (RAID 1), 640 GB (RAID 5), 320 GB (RAID 1), 641 GB (RAID 5), 320 GB (RAID 1), 642 GB (RAID 5), 320 GB (RAID 1), 643 GB (RAID 5), 320 GB (RAID 1), 644 GB (RAID 5), 320 GB (RAID 1), 645 GB (RAID 5), 320 GB (RAID 1), 646 GB (RAID 5), 320 GB (RAID 1), 647 GB (RAID 5), 320 GB (RAID 1), 648 GB (RAID 5), 320 GB (RAID 1), 649 GB (RAID 5), 320 GB (RAID 1), 640 GB (RAID 5), 320 GB (RAID 6), 320 GB (RAID 1), 640 GB (RAID 5), 320 GB (RAID |

Video Cameras

| | SSC-DC50AP | SSC-DC54AP | SSC-DC58AP |
|--------------------------------|--|--------------------------|------------------------|
| Pickup device | | 1/2 type Interline | |
| | | Transfer CCD | |
| Picture Elements (H x V) | | 752 x 582 | |
| Lens mount | | C and CS adj. | |
| Signal system/scanning system | | PAL 625/2:1 | |
| Colour mode | AWB/ATW/ | AWB/ATW/ | ATW PRO/ |
| | ATW PRO/ | ATW PRO/ | ATW/AWB/ |
| | PRESET 5,600 °K | PRESET 5,600 °K | PRESET 5,600 °K |
| Sync system | | Internal/External | |
| External sync | VS and VBS/ | AC Line Lock, | AC Line Lock, |
| | MPX VS | VS and VBS | VS and VBS |
| V-Phase control | No | ±90° | ±90° |
| H-Phase control | | Yes | |
| Horizontal resolution | | 470 TV lines | |
| S/N Ratio (AGC OFF, Weight ON) | | Better than 50 dB | |
| Min. illumination | | 0.4 lux at F1.2 (30 IRE) | |
| (Turbo AGC ON) | | 0.8 lux at F1.2 (50 IRE) | |
| Video output | | Composite, | |
| | | BNC (1) | |
| | | Y/C, Mini-Din (1) | |
| Operating temperature | | -10 to 50 °C | |
| | | (14 to 122 °F) | |
| Storage temperature | | -40 to 60 °C | |
| | | (-40 to 140 °F) | |
| Power requirements | 1) Multiplexing with YS-W170P/W270P | AC 24 V, 50 Hz | AC 220 to 240 V, 50 Hz |
| | 2) DC 12 V power | | |
| | supply | | |
| Power consumption | 1) 5.5 W supplied | 6.0 W | 5.5 W |
| | from YS-W170P/W270P | | |
| | 2) 4.5 W at DC 12 V | | |
| Mass | 600 g (1 lb. 5 oz.) | 600 g (1 lb. 5 oz.) | 900 g (2 lb.) |
| Dimensions (W x H x D) | 64 x 57 x 137 mm | 64 x 57 x 137 mm | 64 x 57 x 162 mm |
| | (2 ½" x 2 ¼" x 5 ¾") | (2 ½" x 2 ¼" x 5 ¾") | (2 ½" x 2 ¼" x 6 18") |
| Supplied accessories | | Lens connector (x1) | |
| | | Lens mount cap (x1) | |
| | | Operation manual (x1) | |

Camera Adaptors

| | YS-W270P | YS-W170P | |
|------------------------|---|--------------------------|--|
| Video output | BNC (8), composite video | BNC (2), composite video | |
| Video input | Camera In, BNC (4) | Camera In, BNC (1) | |
| External sync | VS or | VS or VD-W | |
| Internal sync | VS or VD-W | | |
| Max. cable length | 300 m using RG-59B/U | | |
| | 500 m using RG-6A/U 600 m using RG-11A/U | | |
| | | | |
| Cable compensation | 3-Position | | |
| Power requirement | AC 220 to 240 V, 50 Hz | | |
| Power consumption | 49.5 W | 15 W | |
| Operating temp. | -10 to 50 °C (14 to 104 °F) | | |
| Mass | 3.6 kg (7 lb. 15 oz.) | 1.9 kg (4 lb. 3 oz.) | |
| Dimensions (W x H x D) | 424 x 52 x 345 mm | 212 x 52 x 345 mm | |
| | (16 34" x 2 18" x 13 58") | (8 38" x 2 18" x 13 58") | |

Video Cameras

| | SSC-DC593P | SSC-DC598P | |
|----------------------|--|--|--|
| Image device | | 1/3 type Interline | |
| | | Transfer CCD | |
| | wit | h DynaView technology | |
| Picture elements | | 752 x 582 | |
| (H x V) | | 1/0.1 | |
| Sensing area | | 1/3 type format | |
| Signal system | | (4.8 x 3.6 mm) PAL | |
| Sync. System | | Internal/External | |
| Horizontal | | 480 TV lines | |
| resolution | | 400 IV III03 | |
| Lens mount | | CS | |
| Minimum | | Colour: 0.8 lux at F1.4 | |
| illumination | | (50 IRE) | |
| | | B/W: 0.07 lux at F1.4 | |
| | | (50 IRE) | |
| AGC | 0 | FF/MANUAL/NORMAL/ | |
| | | TURBO selectable | |
| Shutter | | /60 (1/50) to 1/10000 | |
| | | Bsteps) OFF/MANUAL/ | |
| | | CCD IRIS selectable | |
| White Balance | | ATW PRO/ATW/ | |
| (WB) | | 3200K/5600K/ | |
| Backlight | | MANUAL/DUAL WB DYNAVIEW/SPOT/ | |
| Compensation | | WEIGHT/OFF | |
| (BLC) | | switchable | |
| Day/Night mode | | COLOUR/AUTO/ | |
| Day/mgnt mode | | EXTERNAL/B&W | |
| Activity detection | | ON / OFF switchable | |
| Zone masking | ON / OFF switchable | | |
| | (with Area setting function) | | |
| Variable Gamma | OFF / SCENE1 / SCENE2 / | | |
| | | SCENE3 / SCENE4 | |
| | | selectable | |
| Camera Title | Up to 24 characters | | |
| S/N ratio | ON / OFF switchable | | |
| S/N ratio | More than 50 dB | | |
| Video out | (AGC OFF, Weight ON) | | |
| Remote Control | 1.0 Vp-p, BNC (1) RS-485 | | |
| Operating | -10 to 50 °C | | |
| temperature | (-40 to 122 °F) | | |
| Storage | -40 to 122 °F) | | |
| temperature | (-40 to 140 °F) | | |
| Power | AC 24 V ±10%, 50 Hz | AC 220 V to 240 V | |
| requirements | or DC 12 V ±10% | ±10%, 50 Hz | |
| Power | 5.8 W | 5.6 W | |
| consumption | | | |
| Mass | | 500 g (1 lb. 2 oz.) | |
| Auto iris lens | DC | DC/video servo switchable | |
| Dimensions | | 70 x 57 x 129 mm | |
| (W x H x D) | | (2 76" x 2 14" x 5 18") | |
| Supplied accessories | Lens mount cap (x1) | Lens mount cap (x1) | |
| accessories | Menu operations (x1) Operation manual (x1) | Menu operations (x1) Operation manual (x1) | |
| | Operation manual (XT) | AC power cable (x1) | |
| | | no power capic (x1) | |

Specifications Specifications

Video Cameras

| | SSC-DC573P | SSC-DC578P |
|-------------------------------|---|------------------------------|
| Image device | 1/3 type CCD | |
| Picture elements (H x V) | 752 x 582 | 2 |
| Sensing area | 1/3 type format (4.8 | x 3.6 mm) |
| Signal system | PAL standa | rd |
| Sync system | INT/Line Lo | ck |
| Horizontal resolution | 480 TV line | es |
| Lens mount | CS | |
| Minimum illumination | 0.8 lx at F1.4 (50 IR | E, AGC ON) |
| AGC | NORMAL/TURBO/MANUAI | |
| CCD IRIS | ON/OFF switchable, 1/50 | |
| Electric shutter | 1/50 to 1/10,000 s | |
| White Balance (WB) | ATW-PRO/ATW/3200K/5600K/MAN | IUAL/DUAL WB selectable |
| Back-Light Compensation (BLC) | DYNAVIEW/SPOT/WEIGHT | 7/OFF selectable |
| S/N ratio | More than 50 dB (AGC OFF, WEIGHT ON) | |
| Dynamic range | 52 dB | |
| Variable Gamma Curve | Scene 1/Scene 2/Scenc 3/Scene 4/Off selectable | |
| Aperture | Soft/Normal/Sharp selectable | |
| Camera title | Up to 24 characters | |
| User preset | Two presets | |
| Video out | BNC, 1.0 Vp-p, 75 Ω, sync negative | |
| Operating temperature | -10 °C to 50 °C (14 °F to 122 °F) | |
| Storage temperature | -40 °C to 60 °C (-40 °F to 140 °F) | |
| Power requirements | AC 24 V ±10 %, 50 Hz or DC 12 V ±10 % | AC 220 to 240 V ±10 %, 50 Hz |
| Power consumption | 4 W | |
| Auto iris lens | DC/Video Servo switchable | |
| Mass | 480 g (1 lb 1 oz) | |
| Dimensions (W x H x D) | 70 x 57 x 129 mm (2 7/8 x 2 1/4 x 5 1/8 inches) | |
| Supplied accessories | Lens mount cap (1), Operati | |
| | Menu operations (1), AC power cal | ble (1, SSC-DC578P only) |
| | | |

Video Cameras

| | SSC-E453P | SSC-E458P | SSC-E473P | SSC-E478P |
|--|--|--|--|----------------------------------|
| Image device | | 1/3 type Interline Transfer (| CD with SuperExwave | |
| Picture elements (H x | V) | 752 x 582 | | |
| Sensing area | , | 1/3 type form | at (4.8 x 3.6 mm) | |
| Signal system | | PAL st | andard | |
| Sync system | | INT/Line Lock | | |
| Horizontal resolution | | 540 TV lines | | |
| Lens mount | | (| S | |
| Minimum illumination | | 0.55 lux at F1.2 Colour: 0.55 lx at F1.2 (50 IRE, AGC ON, Turbo mode) (50 IRE, AGC ON, Turbo mode) //B&W: 0.05 lx at F1.2 (50 IRE, AGC ON, Turbo mode) | | |
| Day/Night function | | - | Auto/Manua | l selectable |
| AGC | | TURBO/0FF | switchable | |
| CCD IRIS | | ON/OFF switc | hable, 1/50 to 1/100,000 s | |
| White Balance (WB) | | Auto White Balance Pro(AT\ | V Pro) /Auto Wite Balance(AT | W) |
| Backlight Compensati (BLC) | on | ON/OFF switchable | | |
| S/N ratio | | More than 50 | dB (AGC OFF, WEIGHT ON) | |
| Video out | | BNC, 1.0 Vp- _I | o, 75 Ω, sync negative | |
| Auto iris lens | | DC servo | | |
| Operating temperature | е | -10 °C to 50 °C (14 °F to 122 °F) | | |
| Storage temperature | | -40 °C to 60 °C (-40 °F to 140 °F) | | |
| Power requirements | AC 24 V ±10%, 50 Hz or DC 12 V ±10% | AC 220 V to 240 V ±10%, 50 Hz | AC 24 V ±10%, 50 Hz or DC 12 V ±10% | AC 220 V to 240 V ±10%, 50 Hz |
| Power consumption | 3.5 | 3.5 W 4.0 W | | |
| Mass | 360g (12 oz) | 390 g (13 oz) | 380 g (13 oz) | 400g (14 oz) |
| Mass including front & rear covers | 440g (15oz) | 470 g (1 lb) | 460 g (1 lb 1 oz) | 480g (1 lb 8 oz) |
| Dimensions (W x H x | | 60 x 53 x 118 mm 60 x 53 x 124 mm (2 3/8 x 2 1/8 x 4 3/4 inches) (2 3/8 x 2 1/8 x 5 inches) | | |
| Dimensions including front and rear covers | | 240 mm x 9 1/2 inches) | 60 x 53 x (2 3/8 x 2 1/8 | 246 mm x 9 3/4 inches) |
| Supplied accessories | Rear cover(1), | , Screws(2), Lens mount cap | ing instructions (1), Front cov o (1), Operating instructions (Power cable (1) (SSC-E458P | 1), Front cover (1), |

Video Cameras

| | SSC-DC372P | SSC-DC378P | SSC-DC198P | |
|---|---------------------------------------|--------------------------------|-----------------------------|--|
| Image device | 1/3 type SuperHAD CCD 1/3 type CCD | | 1/3 type CCD | |
| Picture elements (H x V) | | 752 x 582 | | |
| 500 x 582 | | | | |
| Sensing area 1/3 type format (4.8 x 3.6 mm) | | 6 mm) | | |
| Signal system | PAL | | | |
| Sync system | Internal | | Line Lock | |
| Horizontal resolution | | 480 TV lines | | |
| 330 TV lines | | | | |
| Lens mount | | CS mount | | |
| Minimum illumination | | lx at F1.2 (50 IRE, Turb | | |
| | | 1.2 (30 IRE, AGC ON, AC | | |
| | | t F1.2 (50 IRE, AGC ON, | | |
| | | F1.2 (100 IRE, AGC ON | | |
| AGC | | node, up to 24 dB) | ON/OFF switchable | |
| | or OFF s | witchable | | |
| CCD IRIS | 1/50 to 1/100,000 s | | | |
| White Balance (WB) | | Auto-Tracing White Balance | | |
| Back-Light Compensation (BLC) | | ON or OFF switchabl | | |
| S/N ratio | | 3 or more (AGC OFF, W | | |
| Video out | BNC, | 1.0 Vp-p, 75 1/2, sync | negative | |
| Auto iris lens | | DC servo | | |
| DC/video servo switchable | | | | |
| Operating temperature | | -10°C to 50°C (14°F to 122°F) | | |
| Storage temperature | | -40°C to 60°C (-40°F to 140°F) | | |
| Power requirements | DC 12 V ±10% AC 220 to 240 V ±10%, 50 | | | |
| Power consumption | 3.2 W | 4.0 W | 3.7 W | |
| Mass | 355 g (13 oz) | 385 g (14 oz) | 390 g (14 oz.) | |
| Dimensions (W x H x D) | | 120 mm (2 3/8 x 2 1/4 2 | | |
| Supplied accessories | | Lens mount cap (x 1 | | |
| | Operating instructions (x 1 | | x 1), Operation manual (x1) | |
| | | Power cable (x 1) | | |

| | SSC-DC172P |
|--------------------------|---|
| Image device | 1/3 type Interline Transfer CCD |
| Picture elements (H x V) | 500 x 582 |
| Sensing area | 1/3 type format (4.8 x 3.6 mm) |
| Signal system | PAL standard |
| Sync. System | Internal |
| Horizontal resolution | 330 TV lines |
| Lens mount | CS |
| Minimum illumination | 0.6 lx at F1.2 (50 IRE, AGC ON, Turbo mode) |
| AGC | TURBO/OFF switchable |
| CCD IRIS | ON/OFF switchable (1/50 to 1/100,000 s) |
| White Balance (WB) | Auto White Balance (ATW) |
| Back-Light | ON/OFF switchable |
| Compensation (BLC) | |
| S/N ratio | More than 50 dB (AGC OFF, WEIGHT ON) |
| Video out | BNC, 1.0 Vp-p, 75 Ω sync negative |
| Auto iris lens | DC servo |
| Operating temperature | -10°C to 50°C (14°F to 122°F) |
| Storage temperature | -40°C to 60°C (-40°F to 140°F) |
| Power requirements | DC 12 V ±10% |
| Power consumption | 3.0 W |
| Mass | 355 g (12 oz) |
| Dimensions (W x H x D) | 60 x 54 x 120 mm (2 ³ /8 x 2 ¹ /4 x 4 ³ /4 inches) |
| Supplied Accessories | Lens mount cap (x 1), Operating instructions (x 1) |

Video Cameras

| | SSC-M383CE | SSC-M388CE | |
|--------------------------|--|----------------------|--|
| Image device | 1/3 type Interline Transfer CCD | | |
| Picture elements (H x V) | 752 x 582 | | |
| Sensing area | 1/3 type format (| 4.8 x 3.6 mm) | |
| Signal system | CCIR sta | ndard | |
| Sync. System | INT/LL LL | | |
| Horizontal resolution | 570 TV | | |
| Lens mount | CS | | |
| Minimum illumination | 0.04 lux at F1.2 (30 IRE | | |
| | 0.07 lux at F1.2 (50 IRE | | |
| | 0.3 lux at F1.2 (100 IRE | | |
| AGC | ON/OFF (sw | | |
| Shutter | ON/OFF (switchable), 1/50 to 1/100,000 s | | |
| Backlight | ON/OFF switchable | | |
| Compensation (BLC) | | | |
| S/N ratio | More than 50 dB | | |
| (AGC OFF, Weight ON) | | | |
| Video out | 1.0 Vp-p; 75 Ω sync. negative | | |
| Operating temperature | -10 to 50 °C (14 to 122 °F) | | |
| Storage temperature | -40 to 60 °C (-40 to 140 °F) | | |
| Power requirements | AC 24 V ±10%, 50 Hz or DC 12 V ±10% | | |
| Power consumption | 2.6 W | | |
| Mass | 360 g (13 oz.) 390 g (14 oz.) | | |
| Auto iris lens | DC/video servo | | |
| Dimensions (W x H x D) | 60 x 54 x 120 mm (2 3 | | |
| Supplied accessories | Lens mount cap (x1) 0 | peration manual (x1) | |

| | SSC-M183CE | SSC-M188CE |
|--------------------------|---------------------------------|----------------------------|
| Image device | 1/3 type Interline Transfer CCD | |
| Picture elements (H x V) | 500 x 582 | |
| Sensing area | 1/3 type form | nat (4.8 x 3.6 mm) |
| Signal system | CCIR | standard |
| Sync. System | INT/LL LL | |
| Horizontal resolution | 380 | TV lines |
| Lens mount | CS | |
| Minimum illumination | | IRE, AGC ON, Turbo mode) |
| | | IRE, AGC ON, Turbo mode) |
| | | 0 IRE, AGC ON, Turbo mode) |
| AGC | ON/OFF (switchable) | |
| Shutter | | e), 1/50 to 1/100,000 s |
| Backlight | ON/OFF | switchable |
| Compensation (BLC) | | |
| S/N ratio | More : | than 50 dB |
| (AGC OFF, Weight ON) | | |
| Video out | | Ω sync. negative |
| Operating temperature | | C (14 to 122 °F) |
| Storage temperature | | C (-40 to 140 °F) |
| Power requirements | AC 24 V ±10%, | AC 220 V |
| | 50 Hz or | to 240 V ±10%, |
| | DC 12 V ±10% | 50 Hz |
| Power consumption | 2.5 W | |
| Mass | 360 g (13 oz.) | 390 g (14 oz.) |
| Auto iris lens | | ervo switchable |
| Dimensions (W x H x D) | | (2 38" x 2 1/4" x 4 3/4") |
| Supplied accessories | Lens mount cap (x1 | 1) Operation manual (x1) |
| | | |

Video Cameras

| | SSC-CD73VP | SSC-CD43VP | |
|--------------------------|--|---|--|
| Picture device | 1/4 type Interline Transfer SuperHAD CCD | | |
| Picture Elements (H x V) | 752 x 582 | | |
| Built-in lens | f = 3.0 to 8.0 m | | |
| Lens mount | CS N | | |
| View angle (D, H, V) | | ° (tele) (V): 49.3° (wide), 20.1° (tele | |
| Focus length | Minimum object | | |
| Signal system/ | PAL colo | r system | |
| scanning system | | | |
| White Balance | AT | W | |
| Sync. system | Internal (DC 1 | 2 V/AC 24 V)/ | |
| | Line lock (AC 24 \ | / only) switchable | |
| External sync. | AC line lock | | |
| V-phase control | ±9 | ±90 ° | |
| Horizontal resolution | 480 T\ | / lines | |
| S/N ratio | More that | ın 50 dB | |
| (AGC OFF, weight ON) | | | |
| Min. illumination | Colour: 0.9 lux | 0.9 lux (AGC ON) | |
| (Turbo AGC ON) | (F1.0, 50 IRE, AGC ON) | | |
| | B&W: 0.2 lux | | |
| | (F1.0, 50 IRE, AGC ON) | | |
| AGC | ON (Turbo mode) | /OFF switchable | |
| Iris control mode | Auto Iri | s Lens | |
| Video output | 1.0 Vp-p, 75 Ω | negative sync. | |
| Weather proof | IP66 | _ | |
| Operating temperature | -20° C to +50 °C | (-4° F to +122° F) | |
| Operating humidity | 20 % to 80 % (r | non condensing) | |
| Input voltage | AC 24 V/ | DC 12 V | |
| Power consumption | 3.5 W | 3.3 W | |
| Mass | Approx 870 g (1lb. 14 oz.) | Approx 440 g (16 oz.) | |
| Dimensions (W x H x D) | Base: 147 x 111 x 148 mm | Base: 121 x 123 x 106 mm | |
| • • | Bubble: 94 mm (ø) | Bubble: 91 mm (ø) | |
| Optional accessories | YT-ICB73V | YT-ICB43V | |
| • | In-ceiling bracket | In-ceiling bracket | |

| | EVI-D100P | EVI-D70P/D70PW | | |
|--|---|--|--|--|
| Nr. 1 | | | | |
| Video Signal | PAL 1/4 type SuperHAD CCD | | | |
| Image Sensor Effective Pixels | | | | |
| Effective Pixels Horizontal Resolution | 752 (H) x 582 (V) | | | |
| | 460 TV lines (Wide end) | | | |
| Lens | x10 Optical Zoom, x40 with Digital Zoom, f = 3.1 to 31, F 1.8 to 2.9 | 18x zoom, f=4.1 mm (Wide) to 73.8 (Tele) F1.4 to F3.0 | | |
| Horizontal Angle of View | 6.6° to 65° | 2.7° (Tele end) to 48° (Wide end) | | |
| Minimum Object Distance | 100 mm (Wide end), 600 mm (Tele end) | 10 mm (Wide end), 800 mm (Tele end) | | |
| Minimum Illumination | 3.5 lux (F1.8) | 1 lux (F1.4) | | |
| Auto Exposure | Auto/Manual/Priority AE | , Exposure compensation, | | |
| | Backlight Co | ompensation | | |
| Shutter Speed | 1/3 to 1/10,000 s | 1 to 1/10,000 s | | |
| Gain | _ | Auto/Manual (-3 to +28 dB, 2 dB steps) | | |
| White Balance | Auto, ATW, Manual, One Push, 3200K, 5800K | Auto/ATW/Indoor/Outdoor/One push/Manual | | |
| Effects | Mirror Image, Still Image on Field Memory, | Neg. Art, Black & White | | |
| | Pastel Image, Negative/Positive Reversal, | | | |
| | Sepia Image, Monochrome Image, Enhanced C | Contrast, | | |
| | Mosaic Image, Vertical Stretch, Horizontal Stretch, | | | |
| | Motion Image on Still Image, Continuous Still | Image, | | |
| | Motion Images on Binaried Still Image, After- | image | | |
| | Lag of Moving Object | · | | |
| S/N Ratio | More th | an 50 dB | | |
| Position preset | _ | 6 positions | | |
| Pan/Tilt | Horizontal: ± 100° (Max. speed: 300°/s), | Pan: ±170° (Max. speed: 100°/s), | | |
| | Vertical: ± 25° (Max. speed: 125°/s) | Tilt: -30° to +90° (Max. speed: 90°/s) | | |
| | (in 0.07° increments) | , , , | | |
| Video Output | VBS | , Y/C | | |
| Control Terminal | _ | RS-232C (8-pin mini DIN) control | | |
| | | (VISCA)/RS-422 (9-pin) | | |
| | | control (VISCA), baud rate: | | |
| | | 9.6 Kb/s, 38.4 Kb/s | | |
| Power Requirements | DC 10.8 to 13.0 V | DC 10.8 to 13.2 V | | |
| Power Consumption | Max. 13.2 W (at 12 V DC) | 12 W | | |
| Operating Temperature | 0 to 40 °C (32 to 104 °F) | 0 to 40 °C (32 to 104 °F) | | |
| Storage Temperature | -20 to 60 °C (-4 to 140 °F) | -20 to +60 °C (-4 to +140 °F) | | |
| Dimensions (W x H x D) | 113 x 120 x 132 mm | 132 x 144 x 144 mm | | |
| , , | (4 ½ x 4 ¾ x 5 ¼) | (5 1/4 x 5 3/4 x 5 3/4 inches) | | |
| Mass | 860 g (1 lb. 14 oz.) | 950 g (2 lb. 2 oz.) | | |
| Supplied accessories | AC Adaptor (x1), IR Remote | AC adaptor, IR remote commander unit, | | |
| | Commander unit (x1), Velcro tape (x1). | Ceiling bracket. Operating instructions | | |
| | | | | |

Video Recorders

| | HSR-X206P |
|--|--|
| Mass | 6.4 kg (14 lb 1 oz) |
| Dimensions | 420 (W) x 96 (H) x 376 (D) mm (16 5/8 x 3 7/8 x 14 7/8 inches) |
| Power requirements | AC 220 to 240 V, 50/60 Hz |
| Power consumption | 32 W |
| Operating temperature | 5 to 40 °C (41 to 104 °F) |
| Operating humidity | Less than 80 % |
| HDD capacity | 320 GB (160 GB x 2) |
| Input | 6 channels, VBS, VS (BNC) 1.0 Vp-p, 75 Ω unbalanced |
| | 6 channels, VBS, VS (BNC) 1.0 Vp-p, 73 Ω unbalanced |
| Output (Loop through) | 1 channel VPS VS (DNC) 1.0 Vp-p, 73 24 unbalanced |
| Monitor output 1 Monitor output 2 | 1 channel, VBS, VS (BNC) 1.0 Vp-p, 75 Ω unbalanced 1 channel, VBS, VS (BNC) 1.0 Vp-p, 75 Ω unbalanced |
| | Motion IDEC |
| Video compression | Motion-JPEG |
| Picture quality mode | HYPER: 52 kB/picture, SUPER: 44 kB/picture, HIGH: 32 kB/picture, |
| B: 1 | MID: 24 kB/picture, LOW: 17 kB/picture |
| Picture resolution | 720 x 288 pixels (Field mode) |
| Horizontal resolution | More than 500 TV lines (Hyper mode) |
| Signal to noise ratio | 48 dB (typical, Hyper mode) |
| MIC input | 1 channel monaural (Mini jack), -60 dB, 10 kΩ unbalanced |
| Line input | 1 channel monaural (Phono jack), -8 dB, 27 kΩ unbalanced |
| Line output | 1 channel Monaural (Phono jack), -8 dB, 600 Ω unbalanced |
| Signal to noise ratio | 40 dB (typical) |
| Distortion | Less than 4 % at 1 kHz |
| Ethernet | 100Base-TX/10Base-T |
| Alarm in 1-6 | Normal open, Low active |
| Sensor Alarm out 1-6 | Open collector, Low active |
| Remote 1 / Remote 2 | 2-wire type with resistance-based identification system |
| Alarm out | Open collector, Low active |
| Alarm reset | Incl. video loss reset, normal open, Low active |
| Clock set in | Normal open, Low active |
| Clock set out | Non rec out |
| Warning out | |
| Dick full out | 5 V/5.7 kΩ Low active |
| Disk full out | 5 V/5.7 kΩ Low active 5 V/5.7 kΩ Low active |
| Alarm full out | |
| External timer in | Normal open, Low active |
| | |
| Supplied Accessories | AC power code (1) Power cord tie (1) Rack mount kit (1) |
| | AC power code (1) Power cord tie (1) Rack mount kit (1) Operation Manual (1) Ferrite core (4) |
| Supplied Accessories Optional Accessories | AC power code (1) Power cord tie (1) Rack mount kit (1) Operation Manual (1) Ferrite core (4) MSH-M32N/M64N/M128N Memory Stick Duo, |
| | AC power code (1) Power cord tie (1) Rack mount kit (1) Operation Manual (1) Ferrite core (4) |
| | AC power code (1) Power cord tie (1) Rack mount kit (1) Operation Manual (1) Ferrite core (4) MSH-M32N/M64N/M128N Memory Stick Duo, MSAC-MCF1 Memory Stick Duo Adaptor for Compact Flash Slot |
| | AC power code (1) Power cord tie (1) Rack mount kit (1) Operation Manual (1) Ferrite core (4) MSH-M32N/M64N/M128N Memory Stick Duo, |
| Optional Accessories | AC power code (1) Power cord tie (1) Rack mount kit (1) Operation Manual (1) Ferrite core (4) MSH-M32N/M64N/M128N Memory Stick Duo, MSAC-MCF1 Memory Stick Duo Adaptor for Compact Flash Slot HSR-X209P / HSR-X216P |
| | AC power code (1) Power cord tie (1) Rack mount kit (1) Operation Manual (1) Ferrite core (4) MSH-M32N/M64N/M128N Memory Stick Duo, MSAC-MCF1 Memory Stick Duo Adaptor for Compact Flash Slot |
| Optional Accessories HDD capacity Playback During Recording | AC power code (1) Power cord tie (1) Rack mount kit (1) Operation Manual (1) Ferrite core (4) MSH-M32N/M64N/M128N Memory Stick Duo, MSAC-MCF1 Memory Stick Duo Adaptor for Compact Flash Slot HSR-X209P / HSR-X216P 320 GB/HDD Unit (160 GB: up to 2 HDDs) Yes |
| Optional Accessories HDD capacity Playback During Recording Video signal | AC power code (1) Power cord tie (1) Rack mount kit (1) Operation Manual (1) Ferrite core (4) MSH-M32N/M64N/M128N Memory Stick Duo, MSAC-MCF1 Memory Stick Duo Adaptor for Compact Flash Slot HSR-X209P / HSR-X216P 320 GB/HDD Unit (160 GB: up to 2 HDDs) Yes CCIR standard, PAL colour |
| Optional Accessories HDD capacity Playback During Recording Video signal Recording system | AC power code (1) Power cord tie (1) Rack mount kit (1) Operation Manual (1) Ferrite core (4) MSH-M32N/M64N/M128N Memory Stick Duo, MSAC-MCF1 Memory Stick Duo Adaptor for Compact Flash Slot HSR-X209P / HSR-X216P 320 GB/HDD Unit (160 GB: up to 2 HDDs) Yes CCIR standard, PAL colour N/A |
| Optional Accessories HDD capacity Playback During Recording Video signal Recording system Compression | AC power code (1) Power cord tie (1) Rack mount kit (1) Operation Manual (1) Ferrite core (4) MSH-M32N/M64N/M128N Memory Stick Duo, MSAC-MCF1 Memory Stick Duo Adaptor for Compact Flash Slot HSR-X209P / HSR-X216P 320 GB/HDD Unit (160 GB: up to 2 HDDs) Yes CCIR standard, PAL colour N/A Motion JPEG |
| Optional Accessories HDD capacity Playback During Recording Video signal Recording system Compression Recording/Playback time | AC power code (1) Power cord tie (1) Rack mount kit (1) Operation Manual (1) Ferrite core (4) MSH-M32N/M64N/M128N Memory Stick Duo, MSAC-MCF1 Memory Stick Duo Adaptor for Compact Flash Slot HSR-X209P / HSR-X216P 320 GB/HDD Unit (160 GB: up to 2 HDDs) Yes CCIR standard, PAL colour N/A Motion JPEG 2886 hours in High mode or 1653 hours in Hyper mode (1-channel input, 1 picture/s) |
| Optional Accessories HDD capacity Playback During Recording Video signal Recording system Compression Recording/Playback time Fast forward/Rewind time | AC power code (1) Power cord tie (1) Rack mount kit (1) Operation Manual (1) Ferrite core (4) MSH-M32N/M64N/M128N Memory Stick Duo, MSAC-MCF1 Memory Stick Duo Adaptor for Compact Flash Slot HSR-X209P / HSR-X216P 320 GB/HDD Unit (160 GB: up to 2 HDDs) Yes CCIR standard, PAL colour N/A Motion JPEG 2686 hours in High mode or 1653 hours in Hyper mode (1-channel input, 1 picture/s) N/A |
| Optional Accessories HDD capacity Playback During Recording Video signal Recording system Compression Recording/Playback time Fast forward/Rewind time Video lipput | AC power code (1) Power cord tie (1) Rack mount kit (1) Operation Manual (1) Ferrite core (4) MSH-M32N/M64N/M128N Memory Stick Duo, MSAC-MCF1 Memory Stick Duo Adaptor for Compact Flash Slot HSR-X209P / HSR-X216P 320 GB/HDD Unit (160 GB: up to 2 HDDs) Yes CCIR standard, PAL colour N/A Motion JPEG 2686 hours in High mode or 1653 hours in Hyper mode (1-channel input, 1 picture/s) N/A 9 channels (16 for the HSR-X216P), VBS, VS (BNC): 1.0 Vp-p, 75 Ω unbalanced |
| Optional Accessories HDD capacity Playback During Recording Video signal Recording system Compression Recording/Playback time Fast forward/Rewind time Video Input Video Upput | AC power code (1) Power cord tie (1) Rack mount kit (1) Operation Manual (1) Ferrite core (4) MSH-M32N/M64N/M128N Memory Stick Duo, MSAC-MCF1 Memory Stick Duo Adaptor for Compact Flash Slot HSR-X209P / HSR-X216P 320 GB/HDD Unit (160 GB: up to 2 HDDs) Yes CCIR standard, PAL colour N/A Motion JPEG 2886 hours in High mode or 1653 hours in Hyper mode (1-channel input, 1 picture/s) N/A 9 channels (16 for the HSR-X216P), VBS, VS (BNC): 1.0 Vp-p, 75 Ω unbalanced 9 channels (16 for the HSR-X216P), VBS, VS (BNC): 1.0 Vp-p, 75 Ω unbalanced |
| Optional Accessories HDD capacity Playback During Recording Video signal Recording system Compression Recording/Playback time Fast forward/Rewind time Video Input Video Output Loop out connector | AC power code (1) Power cord tie (1) Rack mount kit (1) Operation Manual (1) Ferrite core (4) MSH-M32N/M64N/M128N Memory Stick Duo, MSAC-MCF1 Memory Stick Duo Adaptor for Compact Flash Slot HSR-X209P / HSR-X216P 320 GB/HDD Unit (160 GB: up to 2 HDDs) Yes CCIR standard, PAL colour N/A Motion JPEG 2686 hours in High mode or 1653 hours in Hyper mode (1-channel input, 1 picture/s) N/A 9 channels (16 for the HSR-X216P), VBS, VS (BNC) : 1.0 Vp-p, 75 Ω unbalanced 9 channels (16 for the HSR-X216P), VBS, VS (BNC), 1.0 Vp-p, 75 Ω unbalanced |
| Optional Accessories HDD capacity Playback During Recording Video signal Recording system Compression Recording/Playback time Fast forward/Rewind time Video Input Video Output Loop out connector Split screen display | AC power code (1) Power cord tie (1) Rack mount kit (1) Operation Manual (1) Ferrite core (4) MSH-M32N/M64N/M128N Memory Stick Duo, MSAC-MCF1 Memory Stick Duo Adaptor for Compact Flash Slot HSR-X209P / HSR-X216P 320 GB/HDD Unit (160 GB: up to 2 HDDs) Yes CCIR standard, PAL colour N/A Motion JPEG 2686 hours in High mode or 1653 hours in Hyper mode (1-channel input, 1 picture/s) N/A 9 channels (16 for the HSR-X216P), VBS, VS (BNC): 1.0 Vp-p, 75 Ω unbalanced 9 channels (16 for the HSR-X216P), VBS, VS (BNC), 1.0 Vp-p, 75 Ω unbalanced BNC (9) (16 for the HSR-X216P) 4 patterns (6 for the HSR-X216P) |
| Optional Accessories HDD capacity Playback During Recording Video signal Recording system Compression Recording/Playback time Fast forward/Rewind time Video Input Video Output Loop out connector Split screen display Quality mode | AC power code (1) Power cord tie (1) Rack mount kit (1) Operation Manual (1) Ferrite core (4) MSH-M32N/M64N/M128N Memory Stick Duo, MSAC-MCF1 Memory Stick Duo Adaptor for Compact Flash Slot HSR-X209P / HSR-X216P 320 GB/HDD Unit (160 GB: up to 2 HDDs) Yes CCIR standard, PAL colour N/A Motion JPEG 2686 hours in High mode or 1653 hours in Hyper mode (1-channel input, 1 picture/s) N/A 9 channels (16 for the HSR-X216P), VBS, VS (BNC) : 1.0 Vp-p, 75 Ω unbalanced BNC (9) (16 for the HSR-X216P) 4 patterns (6 for the HSR-X216P) |
| Optional Accessories HDD capacity Playback During Recording Video signal Recording system Compression Recording/Playback time Fast forward/Rewind time Video Input Video Output Loop out connector Split screen display Quality mode Horizontal resolution | AC power code (1) Power cord tie (1) Rack mount kit (1) Operation Manual (1) Ferrite core (4) MSH-M32N/M64N/M128N Memory Stick Duo, MSAC-MCF1 Memory Stick Duo Adaptor for Compact Flash Slot HSR-X209P / HSR-X216P 320 GB/HDD Unit (160 GB: up to 2 HDDs) Yes CCIR standard, PAL colour N/A Motion JPEG 2686 hours in High mode or 1653 hours in Hyper mode (1-channel input, 1 picture/s) N/A 9 channels (16 for the HSR-X216P), VBS, VS (BNC) : 1.0 Vp-p, 75 Ω unbalanced 9 channels (16 for the HSR-X216P) HSR-X216P) 4 patterns (6 for the HSR-X216P) Hyper, Super, High, Mid and Low modes (selectable) More than 500 TV lines (Hyper mode) |
| Optional Accessories HDD capacity Playback During Recording Video signal Recording system Compression Recording/Playback time Fast forward/Rewind time Video Input Video Output Loop out connector Split screen display Quality mode Horizontal resolution S/N ratio | AC power code (1) Power cord tie (1) Rack mount kit (1) Operation Manual (1) Ferrite core (4) MSH-M32N/M64N/M128N Memory Stick Duo, MSAC-MCF1 Memory Stick Duo Adaptor for Compact Flash Slot HSR-X209P / HSR-X216P 320 GB/HDD Unit (160 GB: up to 2 HDDs) Yes CCIR standard, PAL colour N/A Motion JPEG 2686 hours in High mode or 1653 hours in Hyper mode (1-channel input, 1 picture/s) N/A 9 channels (16 for the HSR-X216P), VBS, VS (BNC): 1.0 Vp-p, 75 Ω unbalanced 9 channels (16 for the HSR-X216P), VBS, VS (BNC), 1.0 Vp-p, 75 Ω unbalanced BNC (9) (16 for the HSR-X216P) Hyper, Super, High, Mid and Low modes (selectable) More than 500 TV lines (Hyper mode) 40 dB (typical) |
| Optional Accessories HDD capacity Playback During Recording Video signal Recording system Compression Recording/Playback time Fast forward/Rewind time Video Input Video Output Loop out connector Split screen display Quality mode Horizontal resolution S/N ratio Mass | AC power code (1) Power cord tie (1) Rack mount kit (1) Operation Manual (1) Ferrite core (4) MSH-M32N/M64N/M128N Memory Stick Duo, MSAC-MCF1 Memory Stick Duo Adaptor for Compact Flash Slot HSR-X209P / HSR-X216P 320 GB/HDD Unit (160 GB: up to 2 HDDs) Yes CCIR standard, PAL colour N/A Motion JPEG 2686 hours in High mode or 1653 hours in Hyper mode (1-channel input, 1 picture/s) N/A 9 channels (16 for the HSR-X216P), VBS, VS (BNC) : 1.0 Vp-p, 75 Ω unbalanced 9 channels (16 for the HSR-X216P) 4 patterns (6 for the HSR-X216P) 4 patterns (6 for the HSR-X216P) Hyper, Super, High, Mid and Low modes (selectable) More than 500 TV lines (Hyper mode) 40 dB (typical) 7.0 kg (15 lb. 7 oz.) |
| Optional Accessories HDD capacity Playback During Recording Video signal Recording system Compression Recording/Playback time Fast forward/Rewind time Video Input Video Output Loop out connector Split screen display Quality mode Horizontal resolution S/N ratio Mass Dimensions (W x H x D) | AC power code (1) Power cord tie (1) Rack mount kit (1) Operation Manual (1) Ferrite core (4) MSH-M32N/M64N/M128N Memory Stick Duo, MSAC-MCF1 Memory Stick Duo Adaptor for Compact Flash Slot HSR-X209P / HSR-X216P 320 GB/HDD Unit (160 GB: up to 2 HDDs) Yes CCIR standard, PAL colour N/A Motion JPEG 2686 hours in High mode or 1653 hours in Hyper mode (1-channel input, 1 picture/s) N/A 9 channels (16 for the HSR-X216P), VBS, VS (BNC) : 1.0 Vp-p, 75 Ω unbalanced 9 channels (16 for the HSR-X216P), VBS, VS (BNC), 1.0 Vp-p, 75 Ω unbalanced BNC (9) (16 for the HSR-X216P) 4 patterns (6 for the HSR-X216P) Hyper, Super, High, Mid and Low modes (selectable) More than 500 TV lines (Hyper mode) 40 dB (typical) 7.0 kg (15 lb. 7 oz.) 420 x 96 x 376 mm (16 5/8" x 3 7/8" x 14 7/8") |
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| Optional Accessories HDD capacity Playback During Recording Video signal Recording System Compression Recording/Playback time Fast forward/Rewind time Video Input Video Output Loop out connector Split screen display Quality mode Horizontal resolution S/N ratio Mass Dimensions (W x H x D) Power Power Power consumption requirements | AC power code (1) Power cord tie (1) Rack mount kit (1) Operation Manual (1) Ferrite core (4) MSH-M32N/M64N/M128N Memory Stick Duo, MSAC-MCF1 Memory Stick Duo Adaptor for Compact Flash Slot HSR-X209P / HSR-X216P 320 GB/HDD Unit (160 GB: up to 2 HDDs) Yes CCIR standard, PAL colour N/A Motion JPEG 2686 hours in High mode or 1653 hours in Hyper mode (1-channel input, 1 picture/s) N/A 9 channels (16 for the HSR-X216P), VBS, VS (BNC): 1.0 Vp-p, 75 Ω unbalanced 9 channels (16 for the HSR-X216P), VBS, VS (BNC): 1.0 Vp-p, 75 Ω unbalanced BNC (9) (16 for the HSR-X216P) Hyper, Super, High, Mid and Low modes (selectable) More than 500 TV lines (Hyper mode) 40 dB (typical) 7.0 kg (15 lb. 7 oz.) 420 x 96 x 376 mm (16 5/8" x 3 7/8" x 14 7/8") AC 120 V ±10%, 60 Hz ±10% AC 120 V ±10%, 30 W |
| Optional Accessories HDD capacity Playback During Recording Video signal Recording system Compression Recording/Playback time Fast forward/Rewind time Video Input Video Output Loop out connector Split screen display Quality mode Horizontal resolution S/N ratio Mass Dimensions (W x H x D) Power Power consumption requirements Operating temperature | AC power code (1) Power cord tie (1) Rack mount kit (1) Operation Manual (1) Ferrite core (4) MSH-M32N/M64N/M128N Memory Stick Duo, MSAC-MCF1 Memory Stick Duo Adaptor for Compact Flash Slot |
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| Optional Accessories HDD capacity Playback During Recording Video signal Recording system Compression Recording/Playback time Fast forward/Rewind time Video Output Loop out connector Split screen display Quality mode Horizontal resolution S/N ratio Mass Dimensions (W x H x D) Power Power consumption requirements Operating temperature Usable tape Parallel input/ | AC power code (1) Power cord tie (1) Rack mount kit (1) Operation Manual (1) Ferrite core (4) MSH-M32N/M64N/M128N Memory Stick Duo, MSAC-MCF1 Memory Stick Duo Adaptor for Compact Flash Slot |
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| Optional Accessories HDD capacity Playback During Recording Video signal Recording system Compression Recording/Playback time Fast forward/Rewind time Video Output Loop out connector Split screen display Quality mode Horizontal resolution S/N ratio Mass Dimensions (W x H x D) Power Power consumption requirements Operating temperature Usable tape Paraillel input/ output connector Control terminal | AC power code (1) Power cord tie (1) Rack mount kit (1) Operation Manual (1) Ferrite core (4) MSH-M32N/M64N/M128N Memory Stick Duo, MSAC-MCF1 Memory Stick Duo Adaptor for Compact Flash Slot |
| Optional Accessories HDD capacity Playback During Recording Video signal Recording system Compression Recording/Playback time Fast forward/Rewind time Video Output Loop out connector Split screen display Quality mode Horizontal resolution S/N ratio Mass Dimensions (W x H x D) Power Power consumption requirements Operating temperature Usable tape Parallel input/ Output Connector Control terminal Audio | AC power code (1) Power cord tie (1) Rack mount kit (1) Operation Manual (1) Ferrite core (4) MSH-M32N/M64N/M128N Memory Stick Duo, MSAC-MCF1 Memory Stick Duo Adaptor for Compact Flash Slot |
| Optional Accessories HDD capacity Playback During Recording Video signal Recording system Compression Recording/Playback time Fast forward/Rewind time Video Output Loop out connector Split screen display Quality mode Horizontal resolution S/N ratio Mass Dimensions (W x H x D) Power Power consumption requirements Operating temperature Usable tape Parallel input/ output connector Control terminal Audio Mic input | AC power code (1) Power cord tie (1) Rack mount kit (1) Operation Manual (1) Ferrite core (4) MSH-M32N/M64N/M128N Memory Stick Duo, MSAC-MCF1 Memory Stick Duo Adaptor for Compact Flash Slot HSR-X209P / HSR-X216P 320 GB/HDD Unit (160 GB: up to 2 HDDs) Yes CCIR standard, PAL colour N/A Motion JPEG 2686 hours in High mode or 1653 hours in Hyper mode (1-channel input, 1 picture/s) N/A 9 channels (16 for the HSR-X216P), VBS, VS (BNC): 1.0 Vp-p, 75 Ω unbalanced 9 channels (16 for the HSR-X216P), VBS, VS (BNC), 1.0 Vp-p, 75 Ω unbalanced BNC (9) (16 for the HSR-X216P) 4 patterns (6 for the HSR-X216P) Hyper, Super, High, Mid and Low modes (selectable) More than 500 TV lines (Hyper mode) 40 dB (typical) 7.0 kg (15 lb. 7 cz.) 420 x 96 x 376 mm (16 5/8" x 3 7/8" x 14 7/8") AC 120 V ±10%, 60 Hz ±10%, 60 Hz ±10%, 30 W 5 to 40 °C (41 to 104 °F) N/A RS-232C, 9 pin D-sub, RS-485 terminal, Series terminal, Remote terminal, SW OUT terminal |
| Optional Accessories HDD capacity Playback During Recording Video signal Recording system Compression Recording/Playback time Fast forward/Rewind time Video Output Loop out connector Split screen display Quality mode Horizontal resolution S/N ratio Mass Dimensions (W x H x D) Power Power consumption requirements Operating temperature Usable tape Parallel input/ output connector Control terminal Audio Mic input Audio input | AC power code (1) Power cord tie (1) Rack mount kit (1) Operation Manual (1) Ferrite core (4) MSH-M32N/M64N/M128N Memory Stick Duo, MSAC-MCF1 Memory Stick Duo Adaptor for Compact Flash Slot HSR-X209P / HSR-X216P 320 GB/HDD Unit (160 GB: up to 2 HDDs) Yes CCIR standard, PAL colour N/A Motion JPEG 2886 hours in High mode or 1653 hours in Hyper mode (1-channel input, 1 picture/s) N/A 9 channels (16 for the HSR-X216P), VBS, VS (BNC): 1.0 Vp-p, 75 Ω unbalanced 9 channels (16 for the HSR-X216P), VBS, VS (BNC), 1.0 Vp-p, 75 Ω unbalanced BNC (9) (16 for the HSR-X216P) Hyper, Super, High, Mid and Low modes (selectable) More than 500 TV lines (Hyper mode) 40 dB (tylical) 7.0 kg (15 lb. 7 oz.) 420 x 96 x 376 mm (16 5/8" x 3 7/8" x 14 7/8") AC 120 V ±10%, 60 Hz ±10%, 60 Hz ±10%; 30 W 5 to 40 °C (41 to 104 °F) N/A RS-232C, 9 pin D-sub, RS-485 terminal, Series terminal, Remote terminal, SW OUT terminal 1 channel Monaural (Mini jack), -60 dBs, 10 kΩ unbalanced 1 channel Monaural (Mini jack), -60 dBs, 70 kΩ unbalanced |
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| Optional Accessories HDD capacity Playback During Recording Video signal Recording System Compression Recording/Playback time Fast forward/Rewind time Video Input Video Output Loop out connector Split screen display Quality mode Horizontal resolution S/N ratio Mass Dimensions (W x H x D) Power Power consumption requirements Operating temperature Usable tape Parallel input/ output connector Control terminal Audio Mic input Audio input Audio s/N ratio | AC power code (1) Power cord tie (1) Rack mount kit (1) Operation Manual (1) Ferrite core (4) MSH-M32N/M64N/M128N Memory Stick Duo, MSAC-MCF1 Memory Stick Duo Adaptor for Compact Flash Slot HSR-X209P / HSR-X216P 320 GB/HDD Unit (160 GB: up to 2 HDDs) Yes CCIR standard, PAL colour N/A Motion JPEG 2886 hours in High mode or 1653 hours in Hyper mode (1-channel input, 1 picture/s) N/A 9 channels (16 for the HSR-X216P), VBS, VS (BNC): 1.0 Vp-p, 75 Ω unbalanced 9 channels (16 for the HSR-X216P), VBS, VS (BNC), 1.0 Vp-p, 75 Ω unbalanced BNC (9) (16 for the HSR-X216P) Hyper, Super, High, Mid and Low modes (selectable) More than 500 TV lines (Hyper mode) 40 dB (tylicial) 7.0 kg (15 lb. 7 oz.) 420 x 96 x 376 mm (16 5/8" x 3 7/8" x 14 7/8") AC 120 V ±10%, 60 Hz ±10% AC 120 V ±10%, 30 W 5 to 40 °C (41 to 104 °F) N/A RS-232C, 9 pin D-sub, RS-485 terminal, Series terminal, Remote terminal, SW OUT terminal 1 channel Monaural (Mini jack), -60 dBs, 10 kΩ unbalanced 1 channel Monaural (Phono Jack), -8 dBs, 27 kΩ unbalanced 1 channel Monaural (Phono Jack), -8 dBs, 600 Ω unbalanced 1 channel Monaural (Phono Jack), -8 dBs, 600 Ω unbalanced 1 channel Monaural (Phono Jack), -8 dBs, 600 Ω unbalanced |
| Optional Accessories HDD capacity Playback During Recording Video signal Recording system Compression Recording/Playback time Fast forward/Rewind time Video Output Loop out connector Split screen display Quality mode Horizontal resolution S/N ratio Mass Dimensions (W x H x D) Power Power consumption requirements Operating temperature Usable tape Parallel input/ Output Connector Control terminal Audio Mic input Audio output Audio output Audio S/N ratio | AC power code (1) Power cord tie (1) Rack mount kit (1) Operation Manual (1) Ferrite core (4) MSH-M32N/M64N/M128N Memory Stick Duo, MSAC-MCF1 Memory Stick Duo Adaptor for Compact Flash Slot HSR-X209P / HSR-X216P 320 GB/HDD Unit (160 GB: up to 2 HDDs) Yes CCIR standard, PAL colour N/A Motion JPEG 2686 hours in High mode or 1653 hours in Hyper mode (1-channel input, 1 picture/s) N/A 9 channels (16 for the HSR-X216P), VBS, VS (BNC): 1.0 Vp-p, 75 Ω unbalanced 9 channels (16 for the HSR-X216P), VBS, VS (BNC): 1.0 Vp-p, 75 Ω unbalanced BNC (9) (16 for the HSR-X216P) 4 patterns (6 for the HSR-X216P) Hyper, Super, High, Mid and Low modes (selectable) More than 500 TV lines (Hyper mode) 40 dB (typical) 7.0 kg (15 lb. 7 oz.) 420 x 96 x 376 mm (16 5/8" x 3 7/8" x 14 7/8") AC 120 V ±10%, 60 Hz ±10% AC 120 V ±10%, 60 Hz ±10% AC 120 V ±10%; 30 W Series terminal, Remote terminal, SW OUT terminal 1 channel Monaural (Mini jack), -60 dBs, 10 kΩ unbalanced 1 channel Monaural (Phono Jack), -8 dBs, 27 kΩ unbalanced 1 channel Monaural (Phono Jack), -8 dBs, 600 Ω unbalanced 1 channel Monaural (Phono Jack), -8 dBs, 600 Ω unbalanced 40 dB (typical) AC power cord (1) Power cord tie (1) Rack mount kit (1) Operation manual (1) |
| Optional Accessories HDD capacity Playback During Recording Video signal Recording System Compression Recording/Playback time Fast forward/Rewind time Video Input Video Output Loop out connector Split screen display Quality mode Horizontal resolution S/N ratio Mass Dimensions (W x H x D) Power Power consumption requirements Operating temperature Usable tape Parallel input/ output connector Control terminal Audio Mic input Audio input Audio s/N ratio | AC power code (1) Power cord tie (1) Rack mount kit (1) Operation Manual (1) Ferrite core (4) MSH-M32N/M64N/M128N Memory Stick Duo, MSAC-MCF1 Memory Stick Duo Adaptor for Compact Flash Slot HSR-X209P / HSR-X216P 320 GB/HDD Unit (160 GB: up to 2 HDDs) Yes CCIR standard, PAL colour N/A Motion JPEG 2886 hours in High mode or 1653 hours in Hyper mode (1-channel input, 1 picture/s) N/A 9 channels (16 for the HSR-X216P), VBS, VS (BNC): 1.0 Vp-p, 75 Ω unbalanced 9 channels (16 for the HSR-X216P), VBS, VS (BNC), 1.0 Vp-p, 75 Ω unbalanced BNC (9) (16 for the HSR-X216P) 4 patterns (6 for the HSR-X216P) Hyper, Super, High, Mid and Low modes (selectable) More than 500 TV lines (Hyper mode) 40 dB (typical) 7.0 kg (15 lb. 7 oz.) 420 x 96 x 376 mm (16 5/8" x 3 7/8" x 14 7/8") AC 120 V ±10%, 60 Hz ±10%, AC 120 V ±10%, 60 Hz ±0%, AC 120 V ±10%, 60 Hz ±00% AC 120 V ±10%, 60 Hz ±00% AC 120 N ±10%, 60 Hz ±00% AC 120 N ±00 x 100 |
| Optional Accessories HDD capacity Playback During Recording Video signal Recording system Compression Recording/Playback time Fast forward/Rewind time Video Output Loop out connector Split screen display Quality mode Horizontal resolution S/N ratio Mass Dimensions (W x H x D) Power Power consumption requirements Operating temperature Usable tape Parallel input/ Output Connector Control terminal Audio Mic input Audio output Audio output Audio S/N ratio | AC power code (1) Power cord tie (1) Rack mount kit (1) Operation Manual (1) Ferrite core (4) MSH-M32N/M64N/M128N Memory Stick Duo, MSAC-MCF1 Memory Stick Duo Adaptor for Compact Flash Slot HSR-X209P / HSR-X216P 320 GB/HDD Unit (160 GB: up to 2 HDDs) Yes CCIR standard, PAL colour N/A Motion JPEG 2686 hours in High mode or 1653 hours in Hyper mode (1-channel input, 1 picture/s) N/A 9 channels (16 for the HSR-X216P), VBS, VS (BNC): 1.0 Vp-p, 75 Ω unbalanced 9 channels (16 for the HSR-X216P), VBS, VS (BNC): 1.0 Vp-p, 75 Ω unbalanced BNC (9) (16 for the HSR-X216P) 4 patterns (6 for the HSR-X216P) Hyper, Super, High, Mid and Low modes (selectable) More than 500 TV lines (Hyper mode) 40 dB (typical) 7.0 kg (15 lb. 7 oz.) 420 x 96 x 376 mm (16 5/8" x 3 7/8" x 14 7/8") AC 120 V ±10%, 60 Hz ±10% AC 120 V ±10%, 60 Hz ±10% AC 120 V ±10%; 30 W Series terminal, Remote terminal, SW OUT terminal 1 channel Monaural (Mini jack), -60 dBs, 10 kΩ unbalanced 1 channel Monaural (Phono Jack), -8 dBs, 27 kΩ unbalanced 1 channel Monaural (Phono Jack), -8 dBs, 600 Ω unbalanced 1 channel Monaural (Phono Jack), -8 dBs, 600 Ω unbalanced 40 dB (typical) AC power cord (1) Power cord tie (1) Rack mount kit (1) Operation manual (1) |

Video Recorders

| | SVT-N24P | SVT-N72P | SVT-RA96P |
|---------------------------|--|---------------------------|--------------------------|
| Tape format | | VHS | |
| Tape speed | 23.39 mm/s (3-hour mode) 11.70 mm/s (6 or 8-hour mode) | | |
| Fast forward/rewind time | Approx. 100 seconds (with an E-180 tape) | | |
| Recording system | Rotary 4-Head Helical Scanning System | | |
| Video Input | BNC: 1.0 Vp-p, 75 Ω, unbalanced | | |
| Video Output | BNC: 1.0 Vp-p, 75 Ω , 75 Ω , unbalanced | | |
| Recording modes | 3, 12, 24 Hrs. 3, 12, 24, 48, 72 Hrs 6, 18, 30, 48, 72, 96 Hrs | | |
| | (with an E-180 tape) | (with an E-180 tape) | (with an E-180 tape) |
| Record interval (Approx.) | 1/50 to 0.18 s | 1/50 to 0.5 s | 1/50 to 0.34 s |
| Mic input | ø 3.5 | mm Mini-jack, -60 dB, | 10 kΩ |
| Audio recording | 3, 12, 24 Hour Mode | 3, 12, 24 Hour Mode | 6, 18, 30 Hour Mode |
| Audio input | | -8 dB, 27 kΩ(phono jack | () |
| Audio output | | -8 dB, 600 Ω(phono jack | () |
| Audio S/N ratio | 42 dB | 40 dB | 40 dB |
| Horizontal resolution | 350 TV lines (B/W) | 350 TV lines (B/W) | 350 TV lines (B/W) |
| | 300 TV lines (Colour) | 240 TV lines (Colour) | 240 TV lines (Colour) |
| S/N Ratio | 43 dB | 44 dB | 42 dB |
| Control terminal | ø 3.5 mm | Mini-jack RS-232C/RS-4 | 85 interface |
| Time/date | | Yes | |
| Built-in timer | Yes | 7-Day/8-Event | 7-Day/8-Event |
| Alarm input | | Low level | - |
| Alarm output | | +5 V, 5.7 kΩ(Low active | 4) |
| Alarm REC. speed | 3, 12 Hrs. | 3, 12, 24 Hrs. | E-180 type: 6, 18 Hrs. |
| | or No change | or No change | or No change |
| | _ | - | E-240 type: 8, 24 Hrs. |
| | | | or No change |
| Alarm search | No | , | /es |
| Alarm scan | | Yes | |
| Alarm log | | Yes | |
| Operating temperature | | 5 to 40 °C (41 to 104 °F | -) |
| Power requirement | | AC 220 to 240 V, 50/60 H | łz |
| Power consumption | 18 W | 14 W | 16 W |
| Mass | 3.8 kg (8 lb. 6 oz.) | 4.3 kg (9 lb. 6 oz.) | 4.3 kg (9 lb. 6 oz.) |
| Dimensions | 240 x 96.5 x 333 mm | | |
| (W x H x D) | (9 ½" x 3 ½" x 13 ½") | (16 5/8" x 4" x 11 7/8") | (16 5/8" x 4" x 11 7/8") |
| Supplied accessories | AC power | er cable (x1) Operation m | anual (x1) |
| Optional accessories | SVT-RM10 Remote control | unit SVT-RS100 Interface | board (RS-232C/RS-485) |
| | | | , |
| | HSR-DCT | | |
| Dimensions (W x H x D) | 298 x 210 x 210 mi | m | |
| Dowor oupply | 12 V DC 1A | | |

| | HSR-DCT | |
|------------------------|---|--|
| Dimensions (W x H x D) | 298 x 210 x 210 mm | |
| Power supply | 12 V DC 1A | |
| Power consumption | 15 W | |
| Operating temperature | 0° to 45 °C (32° to 113°F) | |
| PTZ control | Joystick, 3 axis proportional | |
| Display | 320 x 240 pixels back-lit by white LED | |
| Languages | Italian, English, French and German | |
| | Expandable to 12 | |
| Security | Three passwords (Connection, Set-up, Alarm reset) | |
| Customisation | Up to 30 user maps | |
| Macro function keys | Max. 20 | |
| INTERFACES | | |
| Serial I/F | 3x RS-485 (RJ11 connectors): | |
| | One line for Sony HSR-X209P/X216P, | |
| | Two lines for two independent telemetry daisy chain | |
| | up to 999 telemetry receivers | |
| | 1x RS-232C for PC connection (layout creation, | |
| | keyboard set-up and firmware update) | |
| SUPPORTED PROTOCOLS | | |
| Speed Dome control | Dome Elmo D7720B | |
| | Dome Ernitec Saturn | |
| | Dome JVC TK-C675, TK-C676 | |
| | Dome Panasonic 600 and 850 | |
| | Dome Pelco Spectra and Lite (Protocol D) | |
| | Dome Samsung SCC64-1P | |
| | Dome Sensormatic Delta Dome II | |
| | Dome Star | |
| | Dome VCL VC5S-ORBM | |
| Supplied Accessories | Instruction Manual, wide range power supply, | |
| | 3 power cables, 6 telephone cables, | |
| | 6 shunt boxes RJ jack | |

Video Monitors

| | SSM-14L1 | SSM-20L1 | |
|-----------------------------------|---|--|--|
| Colour system | em NTSC, PAL | | |
| Power requirements | AC 100 to 24 | 0 V, 50/60 Hz | |
| Power consumption (Typical) | 68 W 75 W | | |
| Operating temperature | 0 to 35 °C (32 to 95 °F) | | |
| Storage temperature | -10 to 40 °C | (14 to 104 °F) | |
| Operating humidity | 35 to 85% (No | condensation) | |
| Storage humidity | 0 to | 90% | |
| Dimensions (W x H x D) | Approx. 346 x 340 x 414 mm | Approx. 449 x 441 x 502 mm | |
| | (13 58 x 13 1/2 x 16 38 inches) | (17 3/4 x 17 3/8 x 19 7/8 inches) | |
| Mass | Approx. 15.0 kg (33 lb. 1 oz.) | Approx. 28.0 kg (61 lb. 12 oz.) | |
| CRT | CRT type*: 14-inch Trinitron, AG pitch: 0.25 mm | CRT type*: 20-inch Trinitron, AG pitch: 0.4 mm | |
| | Phosphor: P-22, Effective picture size (4:3) | Phosphor: P-22, Effective picture size (4:3) | |
| | 267.5 (W) x 200.6 (H) mm, 340.0 (Diagonal) mm | 385.8 (W) x 290.6 (H) mm, 481.3 (Diagonal) mm | |
| Centre Resolution (Y/C input 4:3) | 600 T | / lines | |
| Frequency response | 8.0 MHz (0 -6) dB | | |
| Scanning frequency | 1 5.734 kHz (NTSC), 15.625 kHz (PAL) | | |
| Normal scan | 7% ov | erscan | |
| Linearity | Horizontal: Less than 8% (typ | pical), Vertical: Less than 7% (typical) | |
| Convergence | Centre: 0.4 mm (Typical), | Centre: 0.5 mm (Typical), | |
| | Peripheral: 0.5 mm (Typical) | Peripheral: 0.7 mm (Typical) | |
| Raster size stability | Horizontal: 1.0% (typical |), Vertical: 1.5% (typical) | |
| HV regulation | 3.5% (typical) | 4.0% (typical) | |
| Colour temperature | D65/D93/Us | er adjustable | |
| Input/Output | | | |
| Line A | Composite: Loop-through E | SNC, 1.0 Vp-p +3 dB/-6 dB, | |
| | sync negative, autom | atic 75 Ω termination | |
| | Y/C**: Loop-through Mini Din | 4-pin, automatic 75 Ω termination | |
| | Y: 1.0 Vp-p, s | sync negative | |
| | Audio: Phono jack, -5 | dBu 47 kΩ or higher | |
| Line B | Composite: Loop-through BNC, 1.0 Vp-p, sync negative, | | |
| | automatic 75 Ω termination | | |
| | Y/C**: Mini Din 4-pin, automatic 75 Ω termination | | |
| | Y: 1.0 Vp-p +3 dB/-6 dB, sync negative | | |
| | C: 0.286 Vp-p (NTSC), 0.3 V | 'p-p (PAL) 75 Ω termination | |
| | Audio: Phono jack, -5 | dBu 47 kΩ or higher | |
| Remote | | odular 8-pin (Fixed) | |
| Audio output | 0.8 W (Distortion | n: Less than 5%) | |
| Regulation Compliance | UL-1950, CSA-950, EN 6095 | | |
| | IC class A, C-Tick, CE (LVE |), CE (EMC), JEITA, DHHS, | |
| | DNHW, CCC | , KTL, BSMI | |

^{*} Viewable area, measured diagonally

^{**} The Y/C input has priority over the composite input

Printers

| | UP-51MD/1 | UP-21MD | UP-D23MD |
|----------------------------|--|--|-----------------------------------|
| Drinting method | Or OTHERT | | |
| Printing method Resolution | 300 dpi | Dye sublimation printin 403 dpi | 403 dpi (thermal head) |
| Gradation | 256 levels | | IC image process using 8bits/ |
| Gradation | 250 164613 | | 256 gradations per colour, |
| | Over 16.7 million | Over 16.7 million | approx. 16.7 million |
| | | colours per dot | colours per dot |
| Effective print pixels | colours per dot 1920 x 1176 dots | S Size 1524 x 1176 dots | S size 1520 x 1144 dots |
| | | L Size 1524 x 1458 dots | |
| Media size | A5 Size 100 x 90 mm | A6 S Size 100 x 90 mn | |
| | (5 ½" x 8 ½") | (4" x 3 5/8") | (4" x 3 5/8") |
| | | A6 L Size 144 x 100 mi | m L size 144 x 100 mm |
| | | (5 ³ ⁄ ₄ " x 4") | (5 3/4" x 4") |
| Print area | S Size : 117.0 x 170.9 mm | S Size 95.8 x 72.7mm | S size Full 95.8 x 72.1 mm |
| | 1 0: 107 1 105 1 | (Full print mode) | (3 4/5" x 2 4/5") |
| | L Size 127.4 x 165.1 mm | | L size Full 126 x 95.8 mm |
| Printing time | UPC-510 (Colour Media): | (Full print mode) UPC-21S approx. | (5 ½5" x 3 ½") UPC-21S approx. |
| Frinting time | approx. 22 seconds | 17 seconds | 19 seconds |
| | UPC-540 | UPC-21L approx. | (High-speed mode) |
| | (Self Laminating Media): | 25 seconds | UPC-21L approx. |
| | approx. 33 seconds | 20 30001103 | 29 seconds |
| | approxi oo ooconac | | (High-speed mode) |
| Picture memory | Eight frame memories | Four Frame Memories | * 18 Mbytes |
| | 3 | | (Two Frame Memories) |
| Inputs/Outputs | | Video, S-Video, RGB | |
| | | | |
| Control terminals | RM-5500, Special mini, | Special mini, Stereo mir | ni, USB (Revision 2.0) |
| | Stereo mini, Footswitch, | D-sub 9-pin | |
| | RS-232C (D-Sub,25-pin) | 201/ 50/00 11 | |
| Power requirements | | 0V, 50/60 Hz | _ |
| Power consumption | AC 220 to 2- | 40, 50/60HZ | 120 V: 1.8 A; |
| rower consumption | 2.0 A | | 240 V: 1.0 A |
| Mass | 14 kg (31 lb) | 6.5 kg (14 lb. 5 oz.) | Approx. 6.5 kg |
| | | | (14 lb. 5 oz.) |
| Dimensions | 370 x 125 x 475 mm | 212 x 125 x 395 mm | |
| (W x H x D) | (14 5⁄8" x 5" x 18 3⁄4") | (8 3⁄8" x 5" x 15 5⁄8") | (8 3g" x 5" x 15 5g") |
| Driver Software | _ | _ | Windows 98/Me, |
| | | | Windows 2000/XP |
| Safety Standards | UL 1950, UL 2601-1, | UL2601-1, CSA C22.2 | |
| | CSA C22.2 No. | No.601.1, EN60601-1 | |
| | 950, No. 601.1 | | +CSA C22.2 |
| | EN 60950, EN 60601-1 | | No.601.1 EN60950+EN60601-1. |
| | | | IEC60601-1+IEC60950 |
| Supplied accessories | Ink Ribbon Holder (x1) | AC power cable (x1) | Print tray (L tray) (x1) |
| Cappilou doccoodiles | AC power cable (x1) | Operation manual (x1) | |
| | Paper tray (x1) | Print tray (x1) | Thermal head |
| | Print tray (x1) | Colour Print Pack | cleaning cartridge (x1) |
| | Colour Print Pack (20 prints) | | Caution sheet 'Before Using |
| | Operation manual (x1) | | this Printer' (x1) |
| | | | USB connecting cable |
| | | (Hi | -speed USB Revision 2.0) (x1) |
| 0 :: 1 | 1100 540 /540 | 1150 010 | Stoppers (x2) |
| Optional accessories | UPC-540/540MD | UPC-21S | UPC-21S |
| | Self-laminating | Colour Print Pack | Colour Print Pack |
| | Colour Print Pack (102 prints) UPC-510 | (240 prints) UPC-21L | (240 prints) UPC-21L |
| | Colour Print Pack | Colour Print Pack | Colour Print Pack |
| | | | (200 prints) |
| | | | |
| | (200 prints) | (200 prints) | |
| | (200 prints) UPA-50RH Ink Ribbon Holder | `RM-5500´ | ÙPA-21SÁ |
| | (200 prints) UPA-50RH Ink Ribbon Holder RM-5500 Wired/Wireless | RM-5500 Wired/Wireless | |
| | (200 prints) UPA-50RH Ink Ribbon Holder RM-5500 Wired/Wireless Remote Commander | RM-5500 Wired/Wireless Remote Control Unit | ÙPA-21SÁ Slide Adaptor |
| | (200 prints) UPA-50RH Ink Ribbon Holder RM-5500 Wired/Wireless | RM-5500 Wired/Wireless | UPA-21SA Slide Adaptor Jnit |

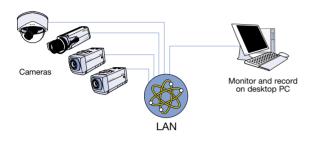
All print quantity numbers are measured in default setting. All non-metric weights and measures are approximate.
* Eight frame memories will be available soon.

Printers

| | UP-960CE | UP-D895 |
|------------------------|--|---|
| Printing method | Direct thermal printing | |
| Thermal head | 162 dpi | 325 dpi |
| Gradation | 256 grey levels | |
| Effective print pixels | (CCIR) 1280 x 607 dots | Max. 1280 x 4096 dots |
| Print area (CCIR) | (EIA) 1280 x 507 dots (Standard mode and Wide 1 mode) | Max. 100 x 320 mm (4 x 12 58") |
| (EIA) | Standard mode: | Max. 100 x 320 11111 (4 x 12 36) |
| (LIA) | 190 x 142 mm (7 1/2" x 5 5/8") | |
| | Side mode: | |
| | 181 x 243 mm (7 1/4" x 9 58") | |
| | Standard mode: | |
| | 190 x 144 mm (7 1/2" x 5 3/4") | |
| | Side mode: | |
| | 184 x 243 mm (7 1/4" x 9 58") | |
| Printing time | Approx. 12 seconds per screen | Approx. 3.9 seconds |
| | | (1280 x 960 dots) Approx. 5.1 seconds |
| | | (1280 x 1280 dots) |
| Picture memory | 2048 x 1024 x 8 bit | 8 MB |
| Inputs/Outputs | Video | Parallel (IEEE 1284) / |
| | | USB (version 1.0) |
| Control terminals | Stereo mini | _ |
| Power requirements | AC 220 to 240 V, 120 V, 50/60 Hz | 100-120 V, 220-240 V, 50/60 Hz |
| Power consumption | AC 220 to 240 V: 1.3 A; | Approx. 120 W |
| Mass | 120 V: 2.4 A 8 kg (17 lb. 10 oz.) | Approx. 20 W (stand-by mode) Approx. 3.4 kg (7 lb. 8 oz.) |
| Dimensions | 316 x 132 x 305 mm | 154 (W) x 105 (H) x 260 (D) mm |
| (W x H x D) | (12 1/2" x 5 1/4" x 12 1/8") | (6 1/8 x 4 1/4 x 10 1/4 inches) |
| Driver Software | (12 12 X 0 T 1 X 12 T 0) | Parallel (IEEE 1284): |
| | | Windows 95/98/ME/2000, |
| | | Windows NT 4.0 |
| | | USB (version 1.0): |
| | | Windows 98/ME/2000 |
| Safety Standards | EN60950, EN60601-1, | UL: UL 1950, UL 2601-1 CSA: |
| | CE (MDD, EMC. LVD) | CSA C22.2 No. 950, No. 601.1 TUV: EN 60950, EN 60601-1 |
| | | CE: LVD, MDD CCIB: GB 4943 |
| Supplied accessories | BNC cable 1.5 m (x1) | Driver Software (1) |
| cuppiicu uccccoiiico | AC power cable (x1) | AC Power Cord (x1) |
| | Operation manual (x1) | Operation Manual (x1) |
| | UPP-110HG print pack (x1) | UPP-110HG ` |
| | Head cleaning sheet (x1) | High Glossy Print Media (x1) |
| | | Head Cleaning Sheet (x1) |
| Optional accessories | UPP-210HD Type II | UPP-110HG |
| | High Density Print Paper (126 prints) | High Glossy Print Media (110 mm x 18 m) (x1) |
| | UPP-210SE Type II | (110 mm x 18 m) (x1) UPP-110HD |
| | Normal Density Print Paper | High Density Print Media |
| | (126 prints) | (110 mm x 20 m) (x1) |
| | RM-91 Remote Control Unit | UPP-110S Normal Type Print Media |
| | FS-20 Foot Switch | (110 mm x 20 m) (x1) |
| | | · · · · · · · · · · · · · · · · · · · |

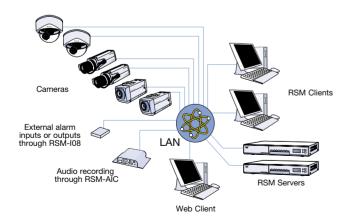
Network Video Monitoring - Small Installation

RealShot Manager software running on a standalone PC allows viewing, recording and management of images from up to 32 cameras. Images from all cameras can be viewed on-screen simultaneously, while RealShot Manager also allows remote configuration and control of camera functions such as image quality, resolution and PTZ.



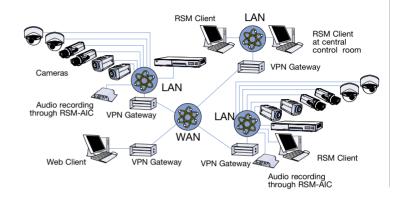
Network Video Monitoring - Medium Sized Installation

Attaching one or more RealShot Manager (RSM) servers (FSV-RSM9/FSV-RSM16) to a network allows storage and management of images from up to 32 connected cameras. 'Live' or recorded images can be viewed on any client PC running RSM or a standard web browser, connected via either LAN or the Internet. Audio and signals from existing alarm sensors can be carried across the same network using the RSM-AIC and RSM-I08, eliminating the need for additional cabling.

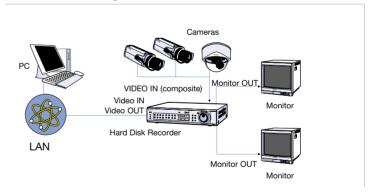


Network Video Monitoring - Multiple Sites Installation

Multiple sites at a number of different locations can be linked across a WAN (Wide Area Network) or the Internet. A VPN (Virtual Private Network) gateway at each site location ensures that camera images, alarm signals and audio can be sent securely over public networks. Cameras can be controlled by authorised users at any location using RSM client software running on a standard PC connected to the network. Simple viewing of camera images is also possible via a PC and web browser with no additional software required.



Hard Disk Recording (HSR-X206P)



Day/Night and Remote Controlled Operation (SSC-DC593P)

